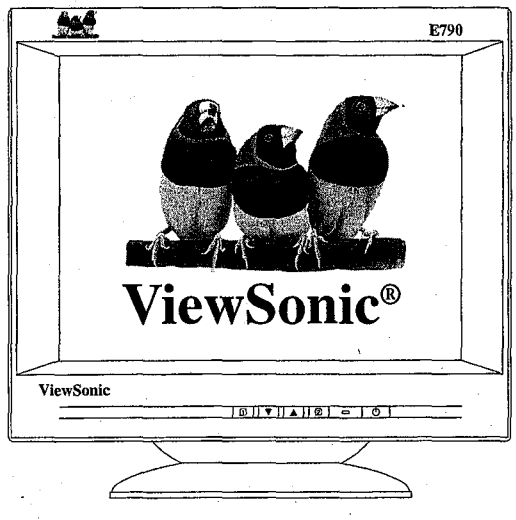
Service Manual

ViewSonic E790-3/E790B-4

Model No. VCDT21550-3*

VCDT21550-4*

19″ Digital Controlled Color Monitor



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Revision History

Revision	Date	Description	Approval
1.0	12/15/99	Initial Release	T. Sears

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⚠ WARNING

This service information designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians.
Any attempt to service or repair the product or products dealt within this service information by anyone else could result in serious injury or death.

SAFETY PRECAUTIONS

1 CAUTION

No modification of any circuit should be attempted. Service work should only be performed after you are thoroughly familiar with all of the following safety checks and servicing guide lines.

2 SAFETY CHECK

Care should be taken while servicing this CRT display because of the high voltage used in the deflection circuits. These voltages are exposed in such areas as the associated flyback and yoke circuits.

3 FIRE & SHOCK HAZARD

3-1 Insert an isolation transformer between the CRT display and AC power line before servicing the chassis.

3-2 In servicing pay attention to original lead dress especially in the high voltage circuit. If a short circuit is found, replace all parts which have been overheated as a result of the short circuit.

3-3 All the protective devices munt be reinstalled per original design.

3-4 Soldering must be inspected for possible cold solder joints, frayed leads, damaged insulation, solder splashes or sharp solder points. Be certain to remove all foreign material.

4 LEAKAGE CURRENT COLD CHECK

4-1 Unplug the AC cord and connect a jumper between the two prongs on the plug.

4-2 Turn the CRT display power switch "on".

4-3 Measure the resistance value with an ohmmeter between the jumpered AC plug and each exposed metallic part on the CRT display such as the metal frame, screwheads, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be 1.8 megohm minimum.

5 LEAKAGE CURRENT HOT CHECK

5-1 Plug the AC cord directly into the AC outlet. Do not use an isolation transformer during this check.

5-2 Connect a 1500 ohm, 10 watt resistor, paralleled by a 0.15uF capacitor between each exposed metallic part and a good earth ground(as shown in Fig.1).

5-3 Use an AC voltmeter with 1000 ohm/volt or more sensitivity and measure the AC voltage across the combination 1500 ohm resistor and 0.15uF capacitor.

5-4 Move the resistor connection to each exposed metallic part and measure the voltage.

5-5 Reverse the polarity of the AC plug in the AC outlet and repeat the above measurement.

5-6 Voltage measured must not exceed 7.5 volt RMS, from any exposed metallic part to ground A leakage current tester may be used in the above hot check, in which case any current measured must not exceed 5.0 milliamp. In the case of a measurement exceeding the 5.0 milliamp value, a rework is required to eliminate the chance of shock hazard.

Note: High voltage is present when this CRT display is operating. Always discharge the anode of the picture tube to the display chassis to prevent shock hazard.

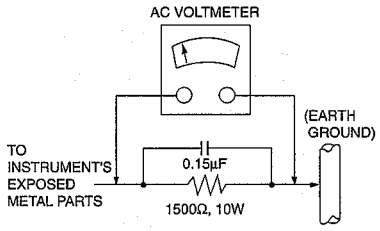


Fig. 1

6 IMPLOSION PROTECTION

Picture tubes are equipped with an integral implosion protection system, but care should be taken to avoid damage and scratching during installation.

7 X-RADIATION

WARNING : The only potential source of X-Radiation is the picture tube. However when the high voltage circuit is operating properly there is no possibility of X-Radiation problem. The basic precaution which must be exercised is to keep the high voltage at the following factory- recommended level.

Note: It is important to use an accurate periodically calibrated high voltage meter.

7-1 The procedure for adjusting high voltage is shown on page 20.

7-2 If high voltage cannot be set to 26kV, immediate service is required to prevent the possibility of premature component failure.

7-3 To prevent X-Radiation possibility it is essential to use the specified picture tube.

IMPORTANT SAFETY NOTICE

There are special components used in this CRT displays which are important for safety. These parts are identified by the international symbol ⚠ on the schematic diagram and on the replacement parts list. It is essential that these critical parts should be replaced with manufacture's specified parts to prevent X-RADIATION, shock, fire, or other hazards. Do not modify the original design or this will void the original parts and labor guarantee.

GENERAL INFORMATION

1. OUTLINE

This monitor is 19 inch (18" viewable) multi-scan color CRT display with the following features.
IIC Bus Micro processor & Enhanced OSD are newly introduced, which optimize the function.

2. FEATURES

2-1 SSP-Lite LSI (Advanced Super Signal Processor) mounted
Precise wave forms are generated for the correction of each geometric distortion.

2-2 Power Saving
Built-in power Saving function based on VESA-DPMS and Energy 2000 standard.
Power energy shall be saved by controlling the circuit in accordance with power saving signal from computer.

2-3 OSD (on screen display) function
OSD (5 languages & multi location) is new and excellent man-machine interface.
Anyone is able to set up the picture as he likes through icon & four keys in front bezel.

2-4 Self Diagnosis
This monitor has a Self Diagnosis OSD feature that is pops up when the signal cable is not connection between a PC and a monitor.

2-5 Ergonomic design
- Low emission design to meet MPR-II & TCO'95/99
- ESF(Electro Satic Field) free coating on CRT
- Tilt &Swivel stand is mounted

2-6 Multi scan with digital technology
8 bit micro computer controls the circuit operation to meet with wide range signal of fH=30~95 kHz and fV=50~160 Hz.
So VGA, SVGA, XGA(1024x768), SXGA(1280x1024) (1600x1200) are applicable.

2-7 11 Factory presets, 25 User memories.
- 11 mode is preset at the factory.
- 25 user memories are available to set the user's own timing and display information.

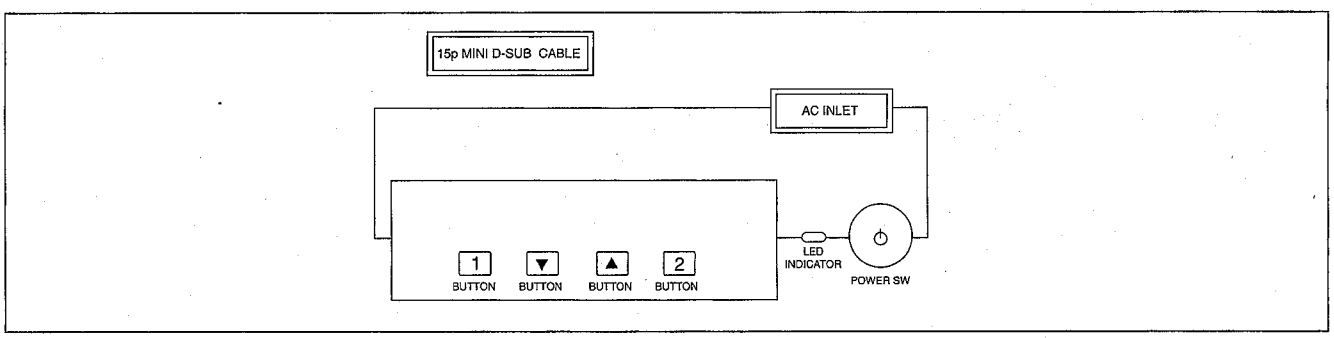
2-8 Flat Face and fine dot pitch
Flat face CRT with fine dot pitch of 0.26 mm gives a crispy and comfortablr sight of the screen.

2-9 Superior display performance
- Good focus by sophisticated gun and dynamic focus circuit.
- High contrast
- Minimized distortion by digital correction circuit
- Good convergence
- Users enjoy full scan image for graphics

2-10 Special function
- VESA DDC2B (Display Data Channel) compatible
- Rotation control circuit
- Multi color : 9300k & 6500k & 5000K are preset at the factory
- Moire Reduction circuit
- Convergence Control circuit

SPECIFICATION

1. DIAGRAM



1.1 POWER SW, LED, ▼ Key (DOWN), ▲ Key (UP), ENTER Key, EXIT Key are located on the front panel.

1.2 Signal cable and AC inlet are located on the back side of the cabinet.

1.3 OSD menu includes the following function.

Contrast	Brightness	H/V Size
Tilt	H-Pincushion	H-Trapezoid
Top Hooking	H-Pinbalance	H-Parallelogram
Button Hooking	H/V Position	H-Convergence
Zoom	Video Level	H/V-Moire Reduction
Viewmeter	OSD Position	Viewmatch Color
Degauss	Memory-Recall	Language

– With sync signal, OSD menu appears by pushing ENTER Key or Exit Key

2. MECHANICAL SPECIFICATIONS

.....refer to the attached drawing

2.1 Dimension Height : 465 mm (18.3") (typ.)
Width : 452 mm (17.8") (typ.)
Depth : 468 mm (18.4") (typ.)

2.2 Net weight : 22.0Kg (52.9 lbs) (typ.)

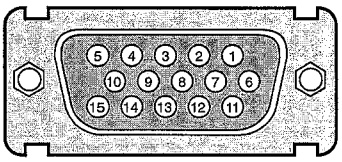
2.3 Maximum Viewable Phosphor Display Area:
: 457.2 mm (18") (typ.)

3. CONNECTORS

3.1 Signal connector:
15P Mini D-Sub

3.2 AC inlet: CEE 22 typed connector

<15P Mini D-Sub 15P PIN assignment>



1...RED	6...GROUND	11...GROUND
2...GREEN	7...GROUND	12...SDA(DDC)
3...BLUE	8...GROUND	13...H.SYNC
4...GROUND	9... – (OPEN)	14...V.SYNC
5...GROUND(S.T)	10...GROUND	15...SCL(DDC)

4. CRT SPECIFICATIONS

Part No	2423GG2E91R
Type	19", 90°, 29.1mm. (Viewable 18.0")
Dot pitch	0.26mm
Phosphor	P22 Cd-free phosphors
	Red x = 0.638 typ, y = 0.372 typ Green x = 0.280 typ, y = 0.602 typ Blue x = 0.142 typ, y = 0.063 typ
Bulb	TINT
Face coating	Anti-Glare, Anti-Stantic & Anti-Reflecton
Total Transmission	52%

5. ELECTRICAL SPECIFICATIONS

5.1 Standard conditions ... Except special items

Display image	Green, full "H" characters with a border line. (11 x 6 dots) Video signal : 100% duty Display area : 365.8 mm x 274.3 mm
Video signal level	0.7V pp
Contrast, Brightness	Contrast : Max., Brightness : Cut-off
Ambient Temperature	20±5°C (68±9°F)
Input Voltage	AC 100~240V, 50/60Hz
Terrestrial magnetism	Vertical field : northern hemisphere field 40μT Horizontal field : no field
Viewing direction	Parallel to the CRT axis
Measurements	After an initial warming up time of moire than 30 minutes.
Ambient light	200±50 IX
Display mode	1280 x 1024 (79.98 kHz, 75 Hz)

5.2 POWER

5.2.1 Power supply ... Commercial power source

Input	AC100 - 240V
Power frequency	50Hz± 3Hz, 60Hz±3Hz
Input current	2.7 Max. (100V)
Inrush current (at 20°C)	Cold start : 50A, Hot : 80A
Power consumption	130W Typ. 140W Max

5.2.2 Power Management for power Saving ...
Power saving system is designed based upon VESA DPMS and Energy 2000 Standard.

1) Power consumption and recovery time

*1 APM State	SIGNALS			MONITOR POWER CONSUMP-TION	RECOVERY POWER TO ON STATE	INDICATOR
	H. Sync	V. Sync	VIDEO			
ON	*3 NOR-MAL	*3 NOR-MAL	*2 ACTIVE	*4 100%	—	Green
STAND-BY	No Sync or *5 < 10 Hz	> 40 Hz	BLANK	< 8 W	< 3 sec.	Orange
SUS-PEND	> 10kHz	No Sync or *5 < 10 Hz	BLANK	< 8 W	< 3 sec.	Orange
OFF	No Sync or *5 < 10 Hz	No Sync or *5 < 10 Hz	BLANK	< 3 W	< 10 sec.	Orange

** The transition time from ON state to each APM states is 5 seconds minimum.

*1 : APM : Advanced power Management.

*2 : Measurement Condition of power consumption for ON state : DISPLAY IMAGE : WHITE full "H" characters(11 x 6 dots).

*3 : NORMAL : See "5.4 ACCEPTABLE TIMING"

*4 : Power Consumption is measured at AC 100 - 240V.

*5 : Power saving operation is done at least less than specified value in the list.

5.3 Standard timing (Standard mode)

- Following 11 modes are preset in the memory as standard timing at the factory.
- Fig-1 shows a definition of timing and signal level.
- Electrical performance is specified in this SPECIFICATION at STD (1280x1024) mode unless otherwise mentioned.

TIMING CHART

A	Period
B	Blanking
C	Sync Width
D	Back Porch
E	Active
F	Front Porch

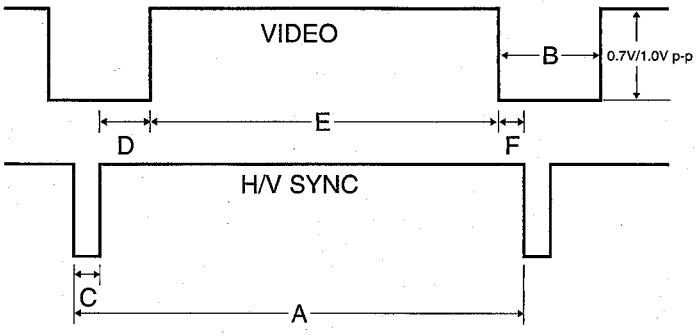


Fig.1

		MODE - 1	MODE - 2	MODE - 3	MODE - 4	MODE - 5
		640 x 400 (70)	**640 x 480 (85)**	**800 x 600 (85)**	**1024 x 768 (75)**	**1024 x 768 (85)**
H	fH	31.470 kHz	43.270 kHz	53.670 kHz	60.020 kHz	68.680 kHz
	A- PERIOD	31.788 µs	23.112 µs	18.631 µs	16.660 µs	14.561 µs
	B- BLANKING TIME	6.360 µs	5.334 µs	4.409 µs	3.657 µs	3.725 µs
	C-SYNC WIDTH	3.813 µs	1.556 µs	1.138 µs	1.219 µs	1.016 µs
	D-BACK PORCH	1.9090 µs	2.222 µs	2.702 µs	2.235 µs	2.201 µs
	E-ACTIVE TIME	25.418 µs	17.778 µs	14.222 µs	13.003 µs	10.836 µs
	F-FRONT PORCH	0.638 µs	1.556 µs	0.569 µs	0.203 µs	0.508 µs
V	fV	70.090 Hz	85.008 Hz	85.061 Hz	75.029 Hz	84.997Hz
	A- PERIOD	14.268 ms	11.764 ms	11.756 ms	13.328 ms	11.765 ms
	B- BLANKING TIME	1.556 ms	0.670 ms	0.578 ms	0.533 ms	0.583 ms
	C-SYNC WIDTH	0.064 ms	0.069 ms	0.056 ms	0.050 ms	0.044 ms
	D-BACK PORCH	1.111 ms	0.578 ms	0.503 ms	0.466 ms	0.524 ms
	E-ACTIVE TIME	12.712 ms	11.093 ms	11.179 ms	12.795 ms	11.183 ms
	F-FRONT PORCH	0.381 ms	0.023 ms	0.019 ms	0.017 ms	0.015 ms
	SYNC POLARITY(H/V)	Negative/Positive	Negative/Negative	Positive/Positive	Positive/Positive	Positive/Positive

PRIMARY MODE

		MODE - 6	MODE - 7	MODE - 8	MODE - 9	MODE - 10	MODE - 11
		1280x1024 (75)	**1280 x 1024 (85)**	**1600 x 1200 (75)**	**832 x 624 (75)**	**1024x 768 (75)**	**1152 x 870 (75)**
H	fH	79.980 kHz	91.150 kHz	93.750 kHz	49.730 kHz	60.240 kHz	68.681 kHz
	A- PERIOD	12.504 µs	10.971 µs	10.667 µs	20.111 µs	16.600 µs	14.560 µs
	B- BLANKING TIME	3.023 µs	2.844 µs	2.765 µs	5.586 µs	3.800 µs	3.040 µs
	C-SYNC WIDTH	1.067 µs	1.016 µs	0.948 µs	1.117 µs	1.200 µs	1.280 µs
	D-BACK PORCH	1.837 µs	1.422 µs	1.501 µs	3.910 µs	2.200 µs	1.440 µs
	E-ACTIVE TIME	9.481 µs	8.127 µs	7.901 µs	14.524 µs	12.800 µs	11.520 µs
	F-FRONT PORCH	0.119 µs	0.406 µs	0.316 µs	0.559 µs	0.400 µs	0.320 µs
V	fV	75.029 Hz	85.024 Hz	75.000 Hz	74.550 Hz	74.927 Hz	75.062 Hz
	A- PERIOD	13.329 ms	11.761 ms	13.333 ms	13.414 ms	13.346 ms	13.322 ms
	B- BLANKING TIME	0.526 ms	0.527 ms	0.534 ms	0.864 ms	0.598 ms	0.655 ms
	C-SYNC WIDTH	0.038 ms	0.033 ms	0.032 ms	0.060 ms	0.050 ms	0.044 ms
	D-BACK PORCH	0.475 ms	0.483 ms	0.491 ms	0.784 ms	0.498 ms	0.567 ms
	E-ACTIVE TIME	12.804 ms	11.235 ms	12.800 ms	12.549 ms	12.749 ms	12.667 ms
	F-FRONT PORCH	0.013 ms	0.011 ms	0.011 ms	0.020 ms	0.050 ms	0.044 ms
	SYNC POLARITY(H/V)	Positive/Positive	Positive/Positive	Positive/Positive	Negative/Negative	Negative/Negative	Negative/Negative

5.4 Acceptable timing

- If your timing is within the following specification, this CRT display can automatically function with a certain size and position.

Horizontal :	Sync frequency	: 30 ~ 95 kHz
	Blanking Time	: ≥ 2.765 µs
	Back Porch	: ≥ 1.422 µs
	Front Porch	: ≤ Back Porch
	Sync Width	: 0.948 ~ 3.813 µs
Vertical :	Sync frequency	: 50~160 Hz
	Blanking Time	: ≥0.526 ms
	Back Porch	: ≥ 0.466 ms
	Sync Width	: ≥ 0.032 ms

Please note, however, that there is the case you can not get the size and/or position you want, (for example, in case Display video Time is too short, you can't get bigger size of the image.)

- The CRT adopted in this CRT display is designed to minimize the moire phenomenon at suitable size for typical display modes. However, there might be a display format among many formats, in which the moire phenomenon appears on this display.

5.5 Signal level and input impedance

5.5.1 Video Signal level

- This CRT display is adjusted at the factory using 0.7Vpp Video Signal. Black level is 0V.
- This CRT display is compatible with 1.0Vpp Video signal by using Video input level selection.

5.5.2 Sync Signal level

- H/V Separate, TTL level

5.5.3 Input impedance

- Video input : 75Ω
- Sync input : ≥ 1kΩ

5.6 Display performance

5.6.1 Display area

MODE 1 (640 x 400 @70Hz)
WIDTH : 350 mm ± 4 mm
HEIGHT : 262 mm ± 4 mm

MODE 2 (640 x 480 @ 85Hz)
WIDTH : 350 mm ± 4 mm
HEIGHT : 262 mm ± 4 mm

MODE 3 (800 X 600 @ 85Hz)
WIDTH : 350 mm ± 4 mm
HEIGHT : 262 mm ± 4 mm

MODE 4 (1024 X 768 @ 75Hz)
WIDTH : 350 mm ± 4 mm
HEIGHT : 262 mm ± 4 mm

MODE 5 (1024 X 768 @ 85Hz)
WIDTH : 350 mm ± 4 mm
HEIGHT : 262 mm ± 4 mm

MODE 6 (1280 X 1024 @ 75Hz)
WIDTH : 350 mm ± 3 mm
HEIGHT : 262 mm ± 3 mm

MODE 7 (1280X 1024 @ 85Hz)
WIDTH : 350 mm ± 4 mm
HEIGHT : 262 mm ± 4 mm

MODE 8 (1600 X 1200 @ 75Hz)
WIDTH : 350 mm ± 4 mm
HEIGHT : 262 mm ± 4 mm

MODE 9 (832 X 624 @ 75Hz)
WIDTH : 350 mm ± 4 mm
HEIGHT : 262 mm ± 4 mm

MODE 10 (1024 X 768 @ 75Hz)
WIDTH : 350 mm ± 4 mm
HEIGHT : 262 mm ± 4 mm

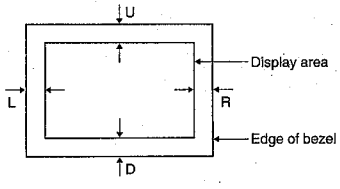
MODE 11 (1152 X 870 @ 75Hz)
WIDTH : 350 mm ± 4 mm
HEIGHT : 262 mm ± 4 mm

- FULL SCAN
  WIDTH : 365.8 mm
  HEIGHT : 274.3 mm

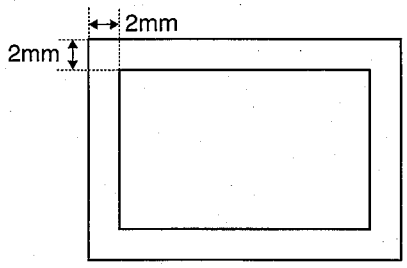
5.6.2 Centering

1) PRIMARY TIMING (MODE 6)
   H: |L-R| ≤ 2 mm
   V: |U-D| ≤ 2 mm

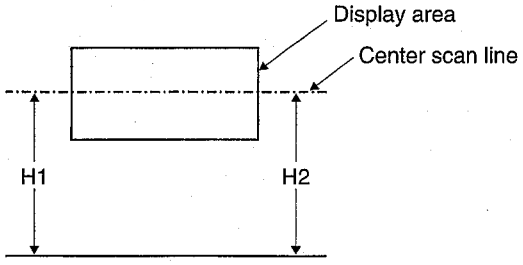
2) MODE (Others)
   H: |L-R| ≤ 3 mm
   V: |U-D| ≤ 3 mm



5.6.3 Distortion
Inside 2.0 mm Frame



5.6.4 Tilt
IH1 - H2I ≤ 2 mm

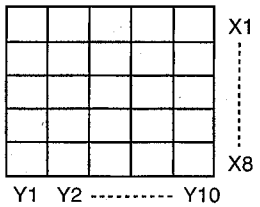


5.6.5 Linearity
Horizontal & Vertical linearity

$$= \frac{X\ max. - X\ min.}{X\ max. + X\ min.} \times 100\% \leq$$ (Adjacent)

3% (Primary Mode) 4% (Other Presets)

(Worst Case)
4% (Primary Mode) 5% (Other Presets)



<Conditions>
Display Image·····Crosshatch Pattern
Maximum and minimum values should not be adjacent to each other.

X max. is maximum value among X1~Xm
X min. is minimum value among X1~Xm

5.7 General performance
5.7.1 Maximum Pixel Clock
180 MHz

5.7.2 Luminance

Luminance Level (Primary Preset and 9300°K only)	32Ft-L +4/- 2Ft-L with Contrast at max and Brightness at just extinguished.
Luminance Level (Primary Preset and 9300°K only)	>32Ft-L with Contrast and Brightness at maximum.
Luminance Level (Primary Preset and 9300°K only)	No Visible video with Contrast at minmum and Brightness at just extinguished.
Luminance Level (Primary Preset and 9300°K only)	Blank raster with Contrast at maximum, Brightness at just extinguished, and no active video.

5.7.4 Brightness variation

Value	80%(Mode 6) 75%(Others) Variation = C/A x 100
Conditions	Display image : White full flat field Luminance : MAX (Contrast : MAX) (Brightness : Center point) A : Luminance at center position C : Luminance at position of lowest Brightness

5.7.5 Display area regulation

	Display area variation	Range of variation
Due to Luminance	within 0.5mm	17~95 cd/m2 (white flat field)
Due to Power Supply	within 0.5mm	AC : 90 - 264V
Due to Temperature	within 0.5mm	20°C ± 20°C

5.7.6 Color Point

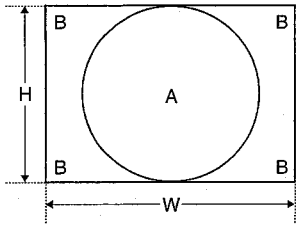
<Condition>
Display image : White flat at the center of the display area.
Luminance : Brightness Center point

Contrast	Max	Min
Value	9300K + 8 MPCD x = 0.283 ± 0.015 y = 0.298 ± 0.015	9300K + 8 MPCD x = 0.283 ± 0.015 y = 0.298 ± 0.015

<Condition>
Display image : 5% White flat at the center of the display area.
Luminance : Brightness Center point, Contrast max

Contrast	6500K	5000K
Value	x=0.313(Typ.) y=0.329(Typ.)	x=0.346(Typ.) y=0.359(Typ.)

5.7.7 Misconvergence
Center area of display (A) : 0.25 mm (Max.)
Corner area of display (B) : 0.35 mm (Max.)
Out of Area 350 x 262mm (C) : 0.40 mm (Max.)



<Conditions>
Display image : Crosshatch pattern mixed with R, G, and B colors.
Convergence gauge : KLEIN CM7AG or equivalent.
Display area : W x H 350 x 262 mm

5.7.8 White Unformity
xa - xc ≤ ± 0.015
xa : x coordinate at the CRT center
xc : x coordinate at any other point.

ya - yc ≤ ± 0.015
ya : x coordinate at the CRT center
yc : x coordinate at any other point.

<Conditions>
Display image : White flat field
Luminance : 95 cd/m2 at the center of display area.
Display area : 350 x 262 mm

5.7.9 Purity
Conspicuous mislanding shall not be visible within display area at a distance of 60cm from CRT surface.

<Conditions>
Display image : Red/Green/Blue flat field
Luminance : Contrast max.
Brightness CENTER
Display area : 350 x 262 mm

5.7.10 Jitters
Invisible at a distance of 30cm from CRT Surface.

6. ENVIRONMENTS

6.1 Ambient temperature, humidity and altitude

	Operating	Storage and shopmen
Temperature	0~ 40°C (32 ~ 104°F)	-40 ~ +60°C (-40 ~ 140°F)
Humidity	5 ~ 95% *	5 ~ 90%*
ALtitude	3.000 m (Max.) (10.000 ft)	12.000 m (Max.) (40.000 ft)

* Non-condensation

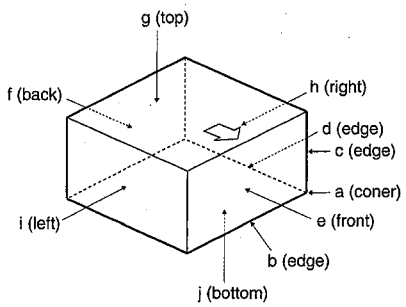
6.2 Vibration and shock

6.2.1 Vibration

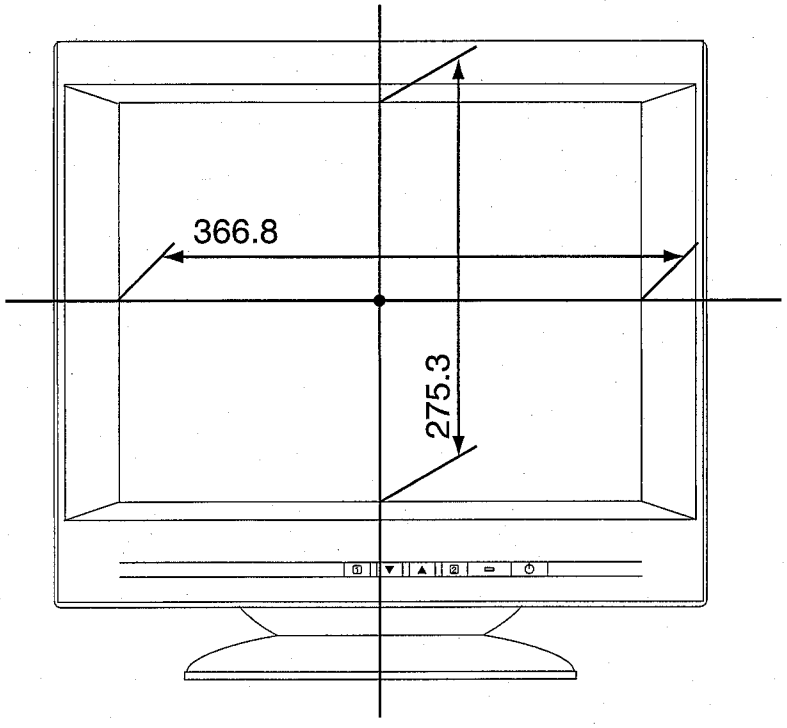
	Order of tests	Direction of Vibration		Acceleration		Frequency	Sweep time	Test time
				Non-operation	Storage and shipment			
Packed	1	Vertical	Up to down		10 m/s² (1.0 G)	5 - 250 Hz	1.0 oct/min	60 min.
	2	Horizontal	Front to back		10 m/s² (1.0 G)			60 min.
	3		Right to left					

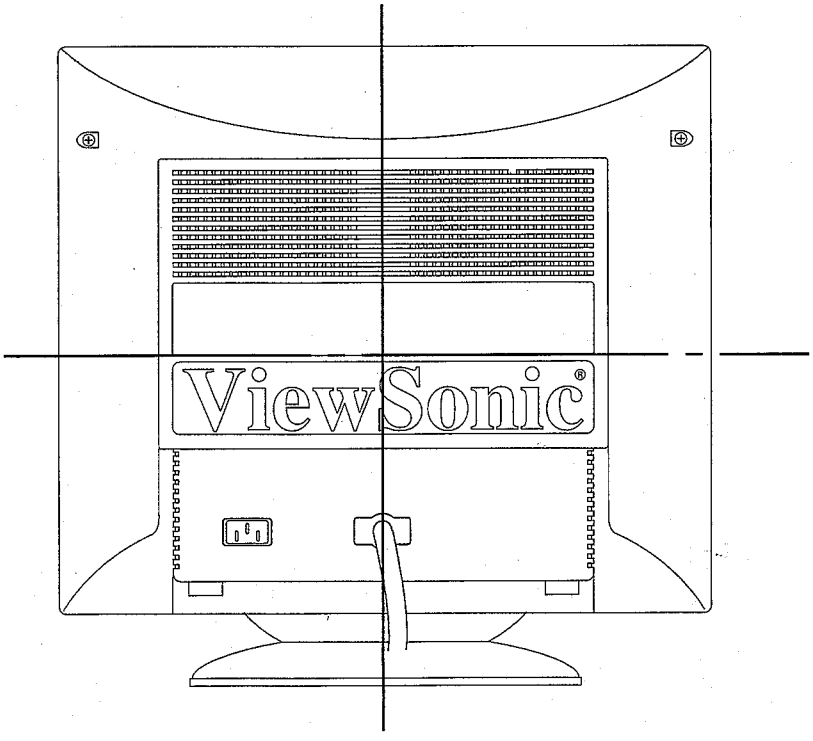
6.2.2 Shock (Drop test)

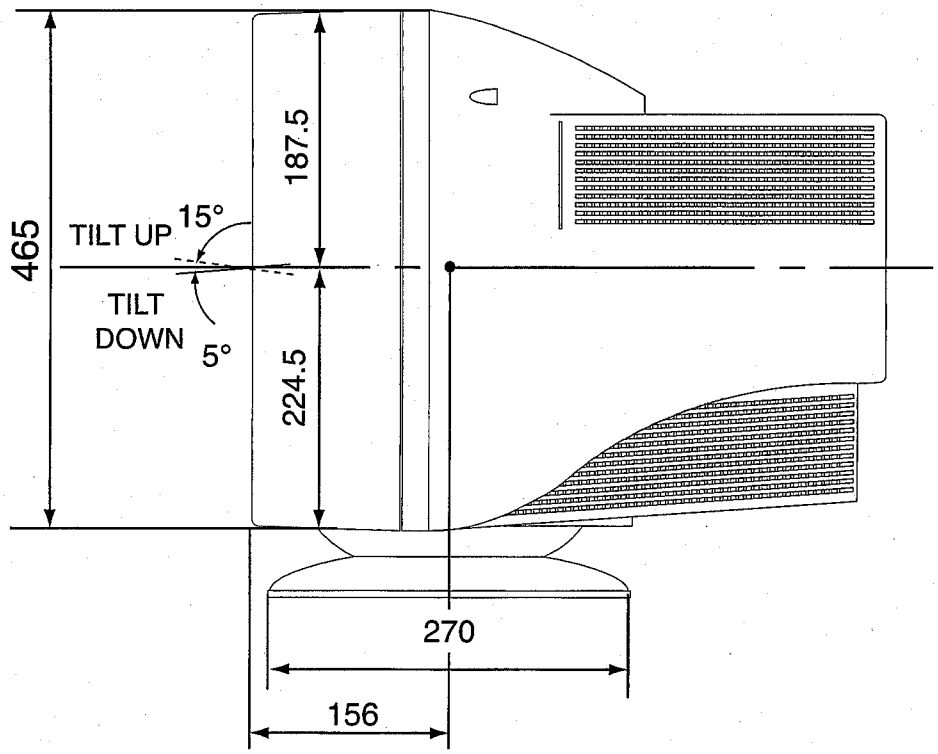
	Order of drop	Face to drop is to face the floor. (See the figure)	Height	Number of drop
Packed	1	a, b, c, d, e, f, g, h, i	61.0 cm	1 time for each
	2	j	61.0 cm	

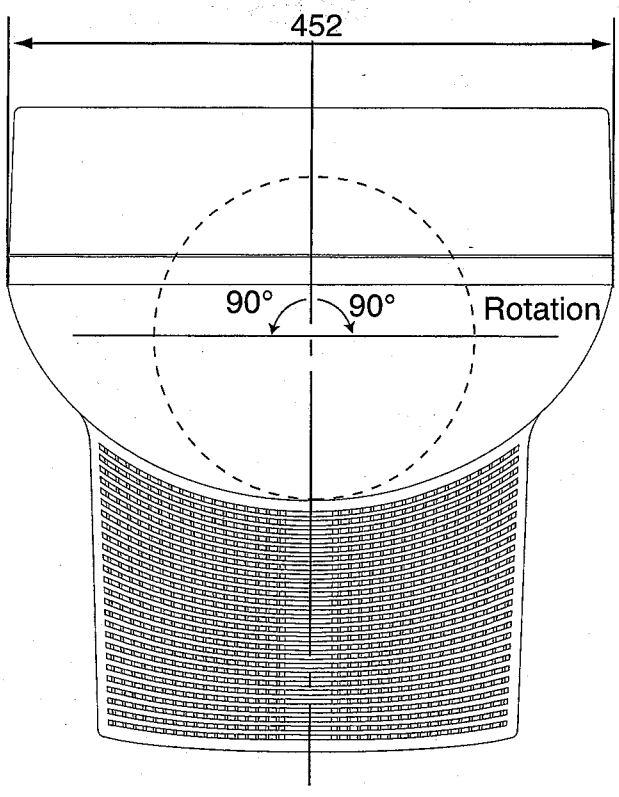


DIMENSIONS





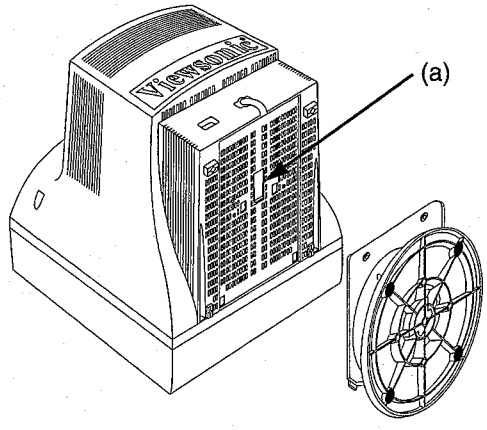

465
187.5
224.5
TILT UP
15°
TILT
DOWN
5°
270
156


452
90°
90°
Rotation

DISASSEMBLY INSTRUCTION

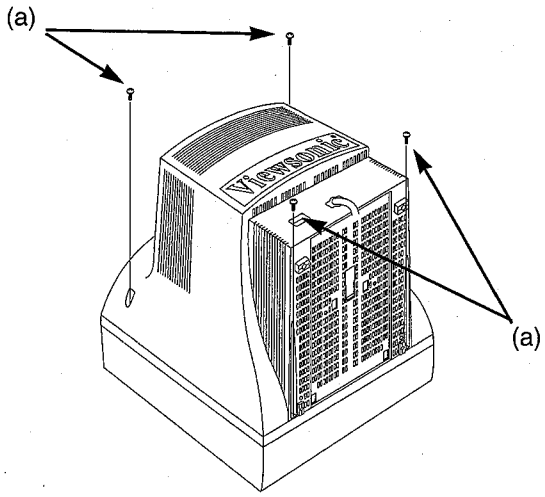
1. TILT/SWIVEL REMOVAL

1) Set the monitor face downward.
2) Pressing the latch (a), carefully remove the Tilt/Swivel by pulling it upward.



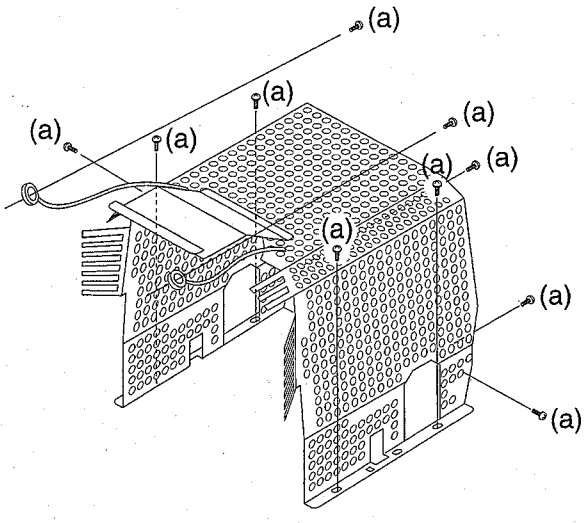
2. BACK COVER REMOVAL

1) Remove four screws (a).
2) Slide the Back Cover away from the Front Cabinet of the monitor.



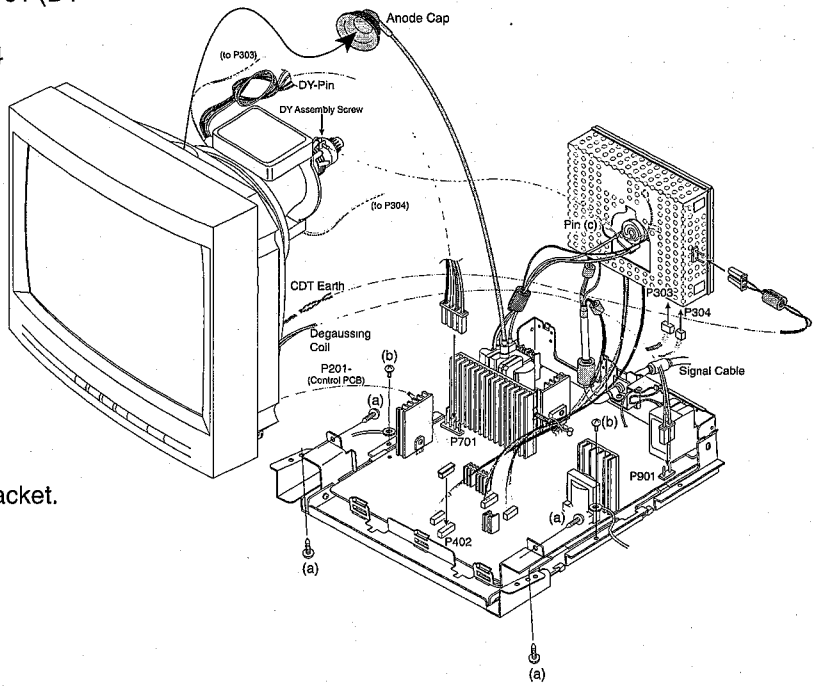
3. TOP SHIELD REMOVAL

1) Remove ten screws (a).



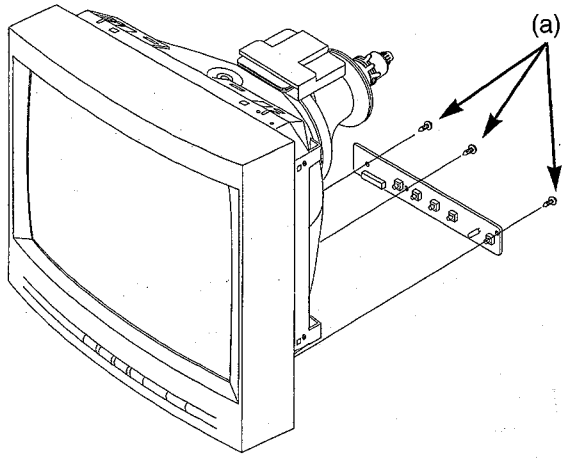
4. TOTAL CHASSIS ASSEMBLY REMOVAL

1) Disconnect P901 (Degaussing pin), P701 (DY pin) and P402 from the Main PCB.
2) Disconnect CDT Earth Pin, P303, P304 from the Video PCB.
3) Disconnect Pin (c) from the DY Assembly screw.
4) Carefully separate the CDT Board Assembly from the CDT neck.
5) Discharge the remaining static electricity by shorting between the Anode Cap and the CDT ground.
6) Disconnect the Anode Cap from the CDT.
7) Remove four screws (a).
8) Remove two screws (b).
9) Remove the Front Cabinet and the Total Chassis Assembly from the Main Bracket.



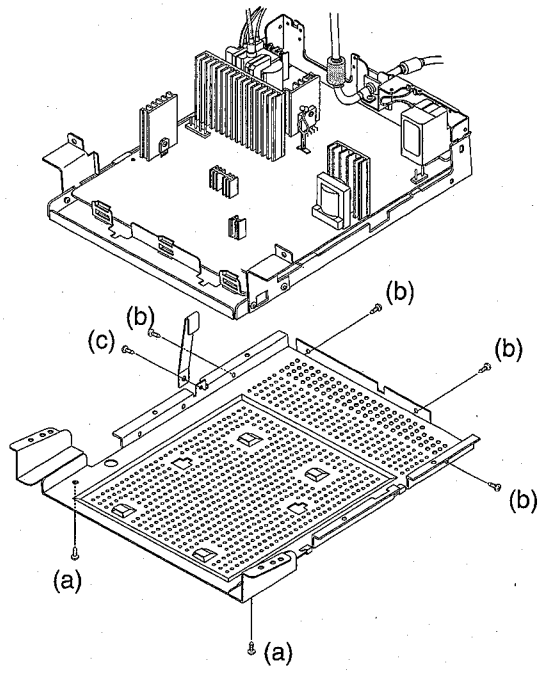
5. CONTROL PCB ASSEMBLY REMOVAL

1) Remove three screws (a).
2) Remove the Control PCB Assembly from the Front Cabinet.



6. BOTTOM BRACKET REMOVAL

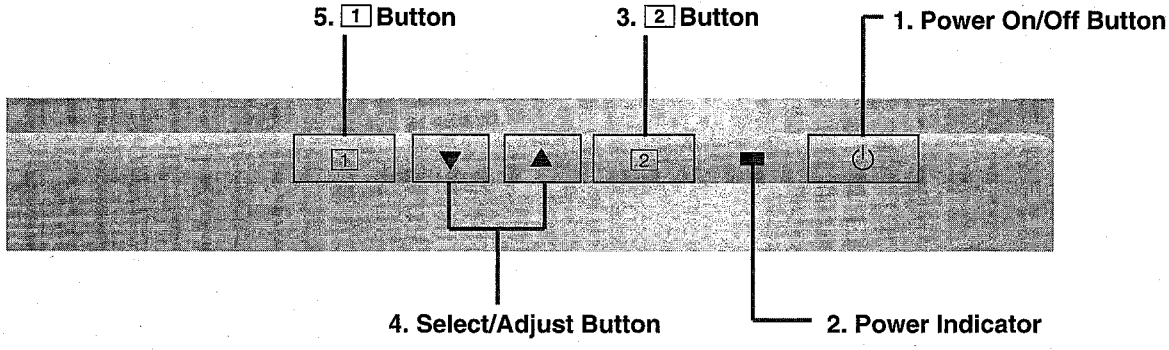
1) Remove two screws (a).
2) Remove four screws (b).
3) Remove screw (c) and Metal Fix.
4) Remove the Bottom Bracket.



CONTROL LOCATION

[Basic operation]

1. Control Panel & Names of control



2. Functions

1) Power ON/OFF Button
To turn monitor on and off.

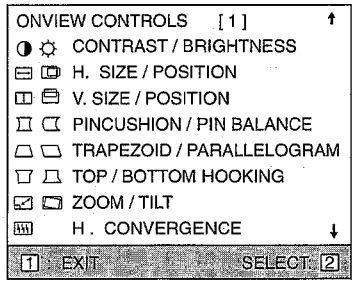
2) Power Indicator
This indicator lights up green when the monitor operates normally; in DPMS (Energy Saving) mode, – stand-by, suspend, or power off mode – its color changes to orange.

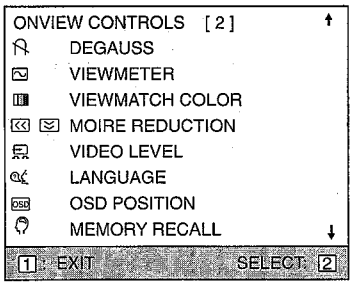
3) 2 Button
Use the button 2 to display the control screen for the highlignted control (or pair of controls).

4) Select/Adjustment Button
Use this button for selecting (highlighting) an OSD icon and adjusting level of the selected menu.

5) 1 Button
Use the button 1 to start and exit from the OnView Controls menu.

Adjustment





Icon	Icon Name
	Contrast/Brightness
	H. Size / Position
	V. Size / Position
	Pincushion/Pin Balance
	Trapezoid/Parallelogram
	Top/ Bottom Hooking
	Zoom/Tilt
	H. Convergence

Icon	Icon Name
	Degauss
	Viewmeter
	Viewmatch Color
	Moire Reduction
	Video Input Level
	Language
OSD	OSD Position
	Memory Recall

CAUTION FOR ADJUSTMENT AND REPAIR

1. Degaussing is inevitably required at convergence adjustment.
2. If you check or adjust electrical specification or funcition, more than 20 minutes burn-in is required.
3. Reforming of the lead wire is required after your repair work.
4. Prior to starting work, be sure to check that the input signal is at the specified timing and that the polarity is as specified in all modes.
5. Brightness control : After mounting the rear cover, brightness tends to decrease about 5 cd/m² on a flat whire field and about 1 cm/m² on a white raster field. This should be taken into consideration.
6. Brightness stabilizing time : It takes about 20 to 50 seconds for the brightness to stabilize after turning the power off for 5 seconds (AC). Therefore, care should be taken to this.
7. Aging should be made in white raster of 30 ~ 50 cd/m² and raster size, 350 x 262 mm before adjusting the ITC.

CAUTION FOR SERVICING

When servicing or replacing the CRT, high voltage sometimes remains on the anode. So, completely discharge high voltage before servicing or replacing the CRT so as to prevent a shock to the service person.

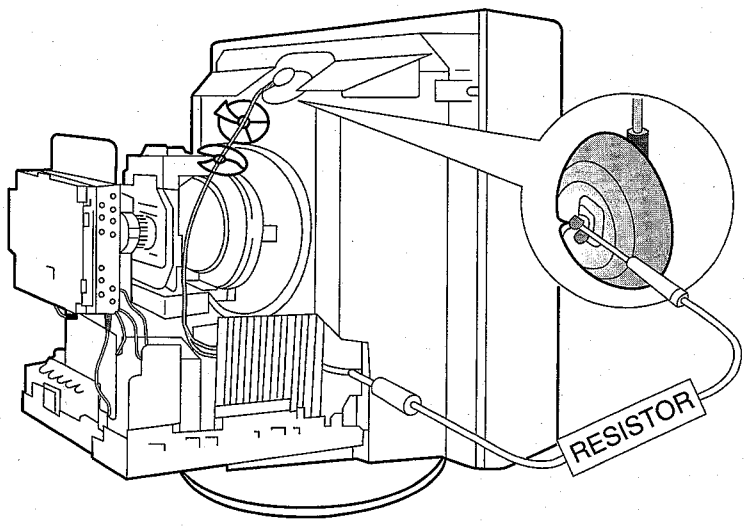
CRT Anode Discharge

1. When you check the CRT anode or replace the CRT, discharge the CRT anode to the external conductive coating of CRT, especially when checked right after power turn-off.
2. Ground one end of a jumper wire which has a resistor (30kV < resisting pressure 100MΩ) and connect the other point to the CRT anode.

   Note: Grounding must be done first.

This model has a section that does not share a commom ground with the power supply section. The different sections are referred to as the HOT section and the COLD section in the precautions below.

1. Do not touch the HOT section and the COLD section at the same time. You may be hit by an electric shock.
2. Do not short the HOT section to the COLD section. This could blow the fuse or damage parts.
3. Never measure the HOT section and the COLD section at the same time when using tools such as oscilloscopes or multimeters.
4. Always unplug the unit before beginning any operation such as removing the chassis.



ADJUSTMENT AND CHECK PROCEDURE

INTRODUCTION

- This monitior is controlled by a microcomputer. With the exception convergence/focus all is digitally adjusted. Therefore a computer, the dedicated control software, the dedicated Adaptor, a 9~12V power supply, and a signal generator are required servicing.

TOOLS REQUIRED

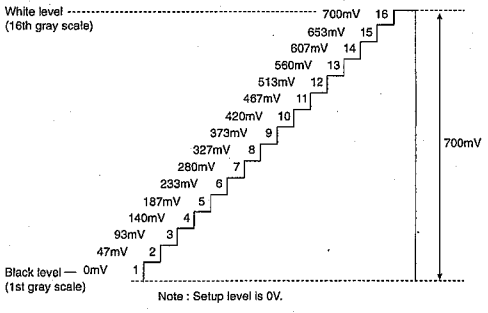
- Alignment appliances and tools.
  - IBM compatible PC.
  - Programmable Signal Generator. (eg. VG-819 made by Astrodesign Co.)
  - EPROM or EEPROM with saved each mode data.
  - Alignment Adaptor and Software.
  - Digital Voltmeter.
  - White Balance Meter.
  - Luminance Meter.
  - High-voltage Meter.
  - Control Software

    The E790 models can only use adjustment program disk for this model. No other program can access the EEPROM on the monitor. For further information please contact our sales office.

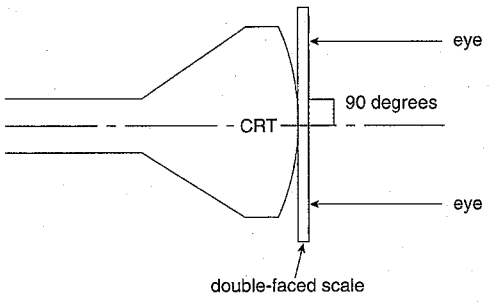
STANDARD CONDITION OF ADJUSTMENT PROCEDURE

- Signal timing : Preset timing
- Display pattern : White, full " H" character
- Signal level : V/H: TTL level video: 700mV
- Input source : AC 100 ~ 240 V, 50/60 Hz
- Ambient temperature : Room temperature
- Warm-up time : More than 30 minutes
- Brightness control : Center
- Contrast control : Max.
- Magnetic field : Vertical: 40 μT Horizontal: 0 μT
- Signal cable: Attached

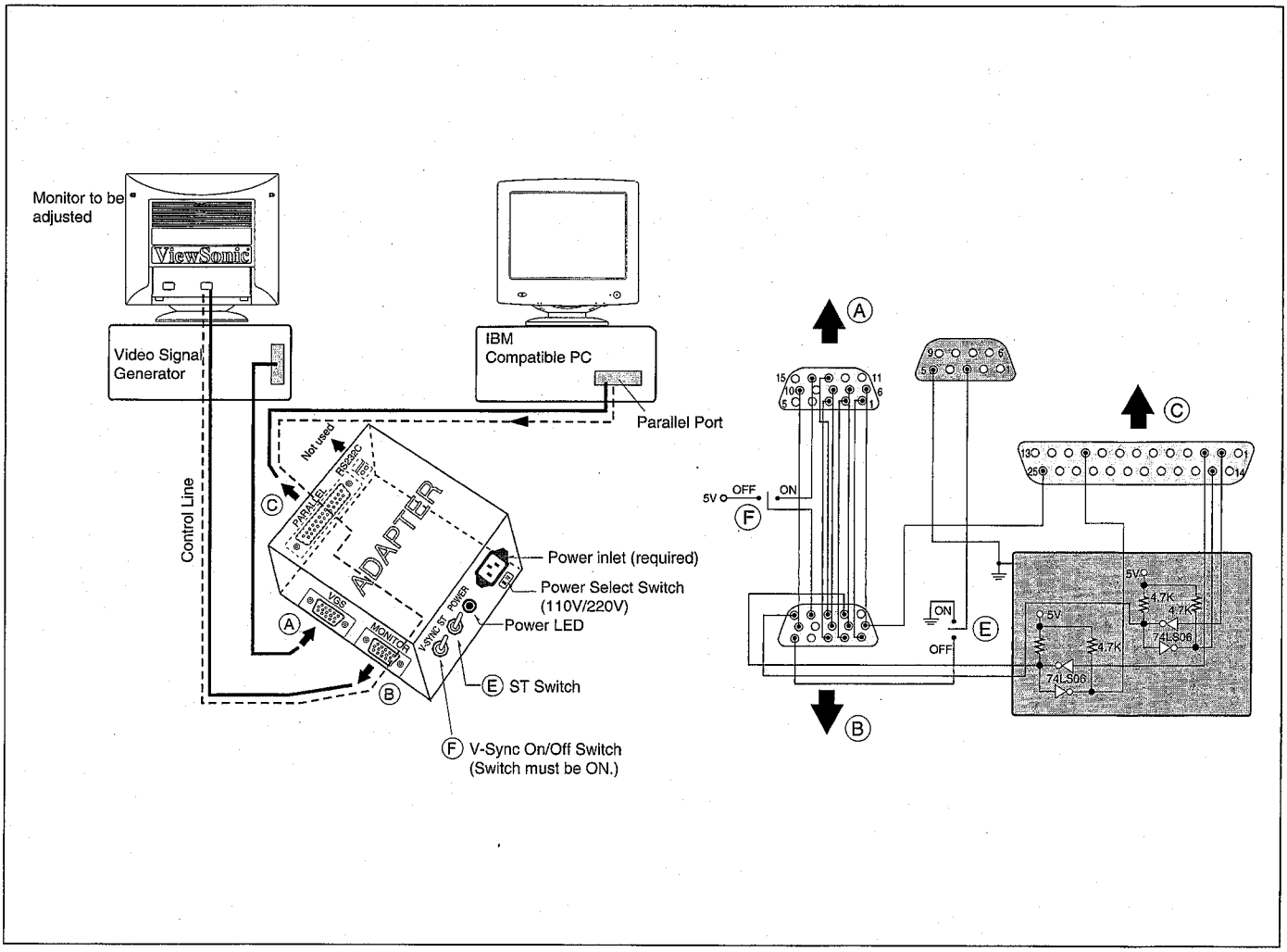
Video input signal from PC.



- Use a Helmholtz device to adjust a unit with no horizontal magnetic field and a vertical field of 40 μT. Inspect the unit under the same conditions.
- The ambient illuminance must be 200 lux.
- Use an external degaussing coil any time the DEGAUSS switch does not remove color shading.
- To check the image width, height, linearity and distortion, proceed as below.



• **Figure 1. Cable Connection**



ADJUSTMENT SOFTWARE

1. Software operating procedure

A) Power on the computer.

B) Connect the communication cable for monitor adjustment.

C) Insert the adjustment disk into the drive.

D) At the A: > prompt type "E790", then press [ENTER].

E) Refer to the adjustment procedures.

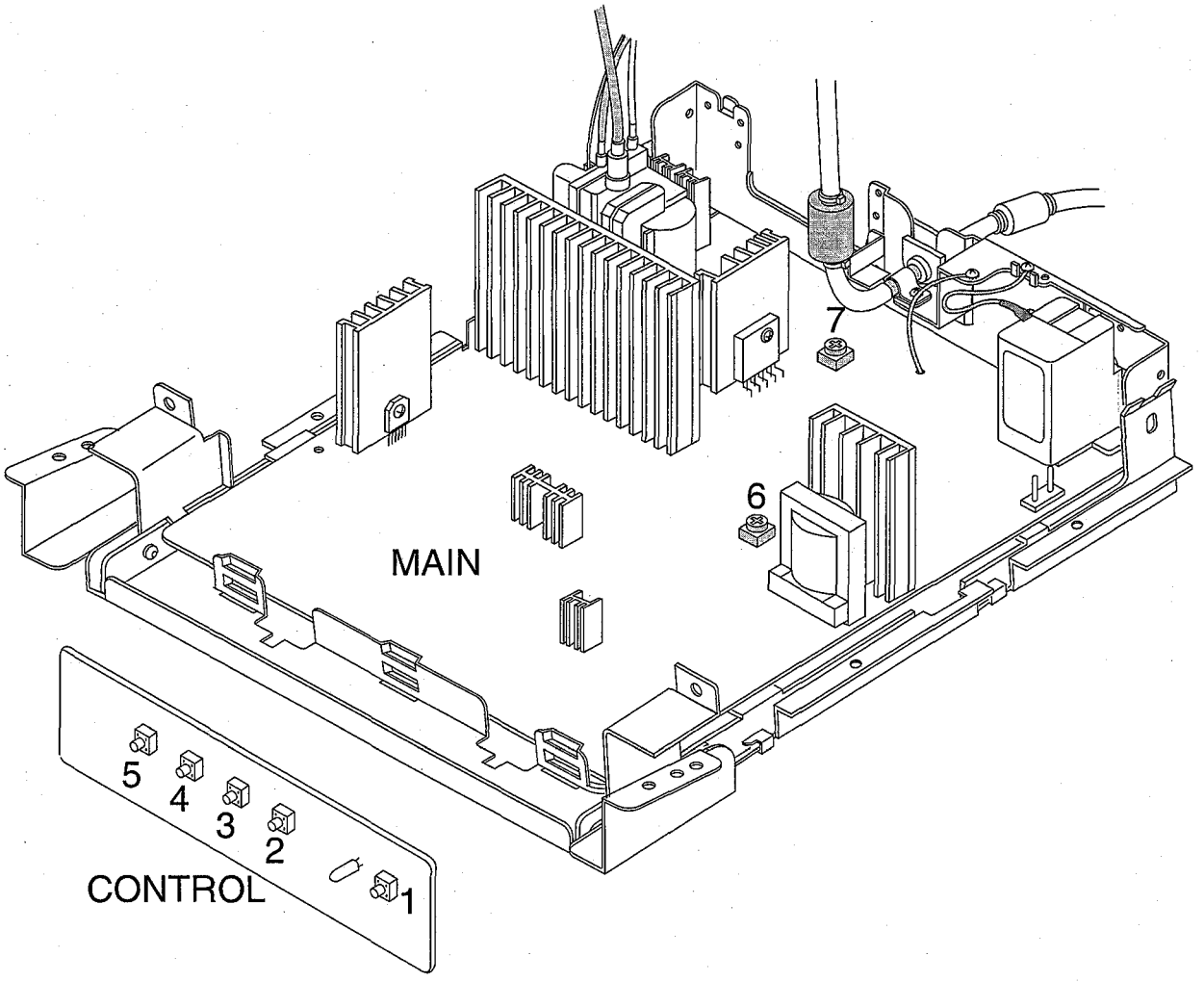
2. Adjustment Program

Main Menu of Adjustment Program

E790 Models ADJUSTMENT PROGRAM MENU

• DIST.ADJ	FOS1.ADJ FOS2.ADJ BALANCE	• EDIT	MODEL SAVE MODEL SEL EDID INFO ADJ INFO
• COLOR ADJ	DRIVE ADJ BAIS ADJ LUMINANCE DEGAUSS	• EEPROM	ALL CLEAR BD7 W-EDID
• COMMAND	PRESET START RESET EXIT SELF ON/OFF	• QUIT	

SERVICE ADJUSTMENT CONTROL LOCATION



NO.	Ref. No.	Control Function	NO.	Ref. No.	Control Function
1	SW101	POWER BUTTON	5	SW102	1 BUTTON
2	SW105	2 BUTTON	6	VR901	B^+ ADJUSTMENT
3	SW104	▲ BUTTON	7	VR501	HIGH VOLTAGE ADJUSTMENT
4	SW103	▼ BUTTON			

REQUIRED ADJUSTMENT PROCEDURE AFTER A PART IS REPLACED (✓ IS REQUIRED)

	* ADJUSTMENT ITEM	REPLACED PARTS								
		MAIN PCB	VIDEO PCB	CRT D.Y	IC402	FBT				
A	190V ADJUST	✓			✓					
B	PRESET ADJUST	✓		✓	✓					
C	BRIGHTNESS, COLOR	✓	✓	✓	✓	✓				
D	FOCUS ADJUST	✓		✓		✓				
E	DDC DATA SETTING	✓			✓					

ADJUSTMENT PROCEDURE

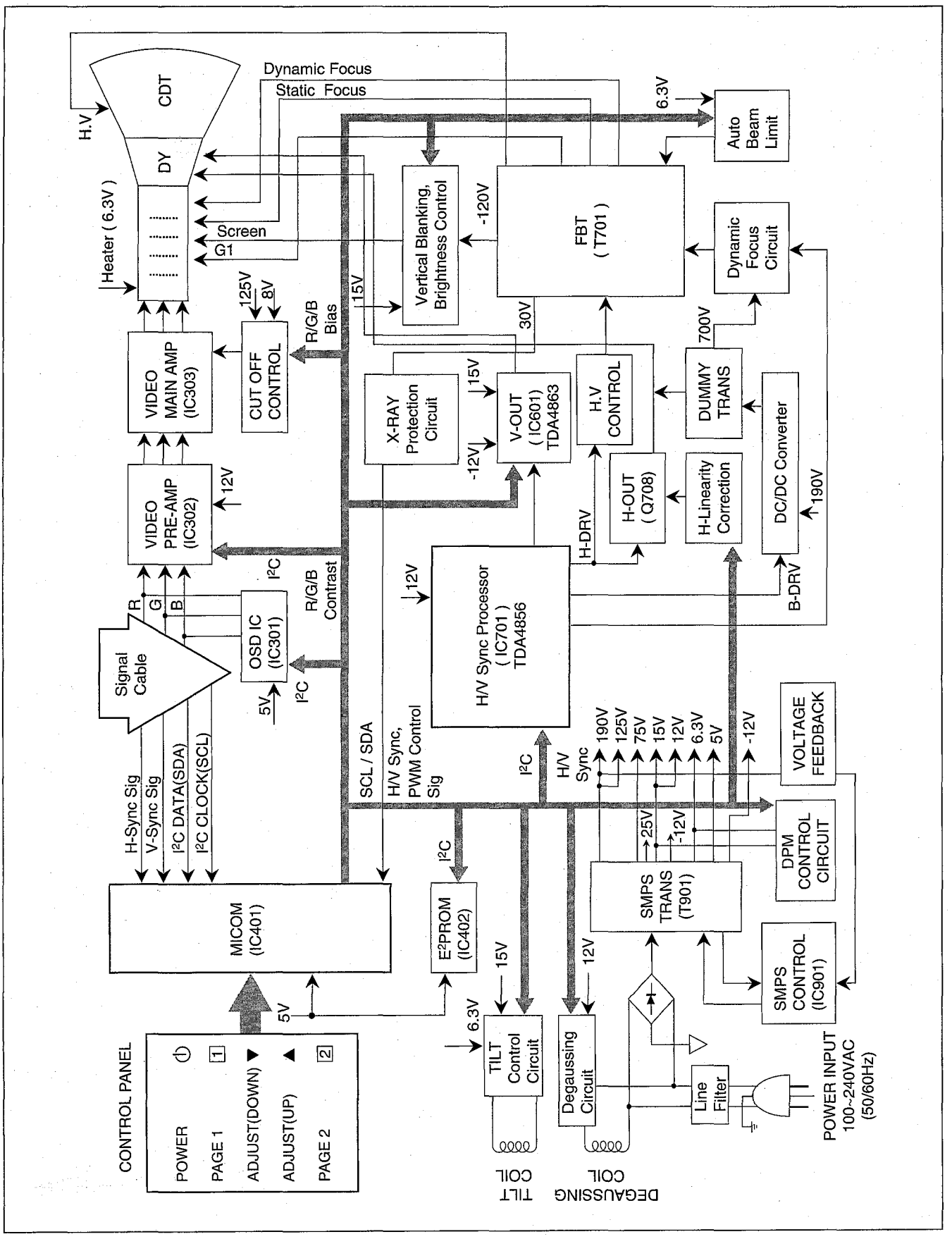
Note 1 : Check to be sure that the program disk name is **E790** before making necessary adjustment.
Note 2 : Unless otherwise specified, the monitor state is as given at right.

1. Description of Adjustment Method

ITEM Program Menu		◇ Test Meter ▼ TEST point ☐ Pattern	Operation	Adjustment Value
A	**190V ADJUST**	◇ Digital voltmeter. ▼ TEST point D913(-) ↔ GND. ☐ Crosshatch	① Turn on the power switch of the monitor. ② Check that the input signal to the monitor is [fH 79.98kHz] and [fv 75Hz]. ③ Turn the VR901 and set the 190V.	190 V ± 0.5V
B	**PRESET ADJUST.**	◇IBM Compatible PC ◇Programmable Signal Generator. (eg. VG819 made by Astrodesign Co.) ◇Alignment Adapter and Software. ☐ Crosshatch	① Display fH: 94kHz, signal (fv: Don't care) ② Run alignment program for E790 on the IBM compatible PC. ③ EEPROM → MODE CLEAR → Y(YES) COMMAND. ④ Display cross hatch pattern at Mode 1. [fH 31kHz, fv 80 Hz] ⑤ COMMAND → PRESET START → Y (YES) COMMAND. ⑥ DIST. ADJ. → BALANCE command. ⑦ Adjust tilt as arrow keys to be the best condition. ⑧ DIST. ADJ. → BALANCE command. ⑨ Adjust balance of side-pincusion as arrow keys to be the best condition. ⑩ DIST.ADJ. → BALANCE command. ⑪ Adjust parallelogram as arrow keys to be the best condition. ⑫ DIST. ADJ. → FOS1. ADJ → Mode No.→ 1 command. ⑬ Adjust H-SIZE as arrow keys to 350±1mm. ⑭ Adjust H-POSITION as arrow keys to center of the screen. ⑮ Adjust V-SIZE as arrow keys to 262±1mm. ⑯ Adjust V-POSITION as arrow keys to center of the screen. ⑰ DIST. ADJ→ FOS2. ADJ → Mode No. → 1 command. ⑱ Adjsut spcc (side-pincusion) as arrow keys to be the best condition. ⑲ Adjust TRAPEZOID as arrow keys to be the best condition. ⑳ Display from Mode 2 to Mode 11 and repeat about from Number ⑫ to ⑲. ㉑ PRESET EXIT → Y (YES) command.	

	ITEM Program Menu	◇ Test Meter ▼ TEST point ☐ Pattern	Operation	Adjustment Value
C	**BRIGHTNESS, COLOR**	◇IBM Compatible PC ◇Programmable Signal Generator. (eg. VG819 made by Astrodesign Co.) ◇Alignment Adapter and Software. ◇White Blance Meter. ◇Luminance Meter.	• Set the EXT-Brightness and EXT-Contrast to Max position. [1] ① Set the White Blance Meter. ② Press the (DEGAUSSING) on the OSD menu for demagnetization of the CDT. ④ COLOR ADJ → LUMINANCE command. ⑤ Set the ABL to 150. (betwen 0 ~ 255). [2] Brightness ① COLOR ADJ → BIAS ADJ → COLOR No. → 1 command of the alignment program. ② Set Sub-Bright to max position and R-BIAS and G-BIAS to min position and B-BIAS to 150(decimal) Position. ③ Adjust R-BIAS and G-BIAS command to x=0.283±0.006 and y=0.298±0.006 on the White Blance Meter with PC Arrow keys. ④ Adjust Sub-Bright command to 0.35±0.05FL of the Raster Luminance. [3] Color ① Display color 15,0 box pattern (70x70mm) at Mode 6. ② DRIVE ADJ → No.1 command. ③ Set Sub-CONTRAST to max position. ④ Set B-DRIVE to 150(decimal) at DRIVE of the aligrnment program. ⑤ Adjust R-DRIVE and G-DRIVE command to white balance x= 0.283±0003 and y=0.298±0.003 on the White Balance Meter with PC arrow keys. ⑥ Adjust SUB-CONTRAST command to 45±1FL of the color 15,0 Box pattern (70x70mm) luminance at Mode 6. ⑦ Display color 15,0 full white pattern at Mode 6. ⑧ Set Brightness to center. ⑨ COLOR ADJ. → LUNMINANCE → ABL command. ⑩ Adjust ABL to 34±1FL of the luminance. ⑪ EXIT from the program.	
D	**FOCUS ADJSUT**	☐ H-Character	① Set the Brightness and Contrast to Max position. ② Display H-Character in full screen at Mode 6. [fH : 79.98kHz, fv : 75 Hz] ③ Adjust two Focus control on the FBT that should be the best condition.	
E	**DDC DATA SETTING**	◇ IBM Compatible PC ◇ Alignment Adapter and Software.	① Run alignment program for E790 on the IBM compatible PC. ② EEPROM → WRITE EDID ③ Check the following message " EDID write OK!!" ④ EXIT from the program.	

BLOCK DIAGRAM



DESCRIPTION OF BLOCK DIAGRAM

1. Line Filter & Associated Circuit.

This is used for suppressing noise of power input line flowing into the monitor and/or some noise generated in this monitor flowing out through the power input line. That is to say, this circuit prevents interference between the monitor and other electric appliances.

2. Degauss Circuit & Coil.

The degauss circuit consists of the degaussing coil, the PTC (Positive Temperature Coefficient) thermistor (TH901), and the relay (RL901). This circuit eliminates abnormal color of the screen automatically by degaussing the slot mask in the CDT when turn on the power switch.
When you need to degauss while using the monitor, select DEGAUSS on the OSD menu.

3. SMPS (Switching Mode Power Supply).

This circuit works with power of 110-240Vac (50/60Hz).

The operation procedure is as follows:

1) AC input voltage is rectified and smoothed by the bridge diode (D901) and the capacitor (C907).
2) The rectified voltage (DC voltage) is applied to the primary coil of the transformer (T901).
3) The control IC (IC901) generates switching pulse to turn on and off the primary coil of the transformer (T901) repeatedly.
4) Depending on the turn ratio of the transformer, the secondary voltages appear at the secondary coil of the transformer (T901).
5) These secondary voltages are rectified by each diode (D906, D907, D908, D909, D910, D911, D912, D913) and operate the other circuits. (Deflection, Video Amplifier, etc.)

4. Display Power Management Circuit.

This circuit control power consumption of the monitor by detecting H and V sync signal. There are stand-by and suspend mode. When no horizontal or vertical sync signal input, the circuit consists of Q930 and Q907 becomes stand-by and suspend mode. It's power consumption is below 8W. When no horizontal and vertical sync signal input, it's power consumption is below 3W.

5. X-ray Protection.

This circuit detects the rectified DC voltage comes from the FBT pin 4. If the high voltage of the FBT reaches up to about 30kV (abnormal state), Micom(IC401) detects. It stops B^+ voltage supplied to the FBT (T701), and high voltage is not be generated, (In the normal state, the high voltage is about 26kV.)

6. Micom(Microprocessor) Circuit.

The operating procedure of Micom (Microprocessor) and its associated circuit is as follows:

1) H and V sync signal is supplied from Signal Cable to the Micom (IC401).
2) The Micom (IC401) distinguishes polarity and frequency of H and V sync.
3) The Micom controls each OSD function signals. (H-size, H-position, V-size, etc.)
4) The controlled data of each mode is stored in IC402. User can adjust screen condition by each OSD function. The data of the adjust screen condition is stored automatically.

7. Horizontal and Vertical Synchronous Processor.

This circuit generates the horizontal drive pulse and the vertical drive pulse by taking sync-signal from Signal Cable. This circuit consists of the TDA4856(IC701) and the associated circuit.

8. Oscillating Circuit for D/D Converter.

This circuit generates the pulse wave which has the horizontal period by taking the output of the TDA4856 (IC701).

9. D/D (DC to DC) Converter.

This circuit supplies DC voltage to the horizontal deflection output circuit by decreasing DC 190V which is the secondary voltage of the SMPS in accordance with the input horizontal sync signal.

10. Side-Pincushion Correcting Cirucit.

This circuit improves the Side-pincushion of the screen by mixing east-west wave to the output of the horizontal deflection D/D converter which is used for the supply voltage source (B^+) of the deflection circuit.

11. D/D Drive & Convert Circuit.

This circuit is used for supplying B^+ voltage to horizontal deflection output transistor (Q709). This circuit makes to add side-pincushion correcting signal to B^+ voltage.

12. Horizontal Deflection Output Circuit.

This circuit makes the horizontal deflection by supplying the saw-tooth current to the horizontal deflection yoke.

13. High Voltage Output & FBT (Flyback Transformer).

The high voltage output circuit is used for generating pulse wave to the primary coil of the FBT (Flyback Transformer (T701)). A boosted voltage (about 26kV) appears at the secondary of the FBT and it is supplied to the anode of the CDT.
And there are another output voltages such as the dynamic focus voltage.

14. H-Linearity Correction Circuit.

This circuit corrects the horizontal linearity for each horizontal sync frequency.

15. Vertical Output Circuit.

This circuit takes the vertical wave from the TDA4856 (IC701) and performs the vertical deflection by supplying the saw-tooth wave current from the TDA4863A (IC601) to the vertical deflection yoke.

17. Dynamic Focus Output Circuit.

This circuit takes H and V parabola wave from the TDA4856 (IC701), and amplifies these waves to offer to the FBT (T701).

18. H & V Blanking and Brightness Control.

This circuit eliminates the retrace line by supplying a negative pulse to the G1 of the CDT. The brightness control circuit is used to control of the screen brightness by changing the DC level of G1.

19. Image Rotation (Tilt) Circuit.

This circuit corrects the tilt of the screen by supplying the image rotation signal to the tilt coil which is attached to the CDT near the deflection.

20. Static Convergence Control Circuit.

This circuit corrects the convergence of the screen by supplying the convergence signal to the 4H (STC) coil which is attached to the CDT near the deflection.

21. Moiré Reduction Circuit

This circuit reduce interference between the periodical display pattern and the CDT's slot (or dot).
The positions of every other one dot video signal beams (red, green, and blue beam) are shifted finely, thus reducing interference.

22. OSD Circuit.

This circuit is used for performing the OSD (On-Screen- Display) function.
When a user selects the OSD Select/Adjustment control, the adjustment status displays on the screen.

23. Video Pre-Amp Circuit.

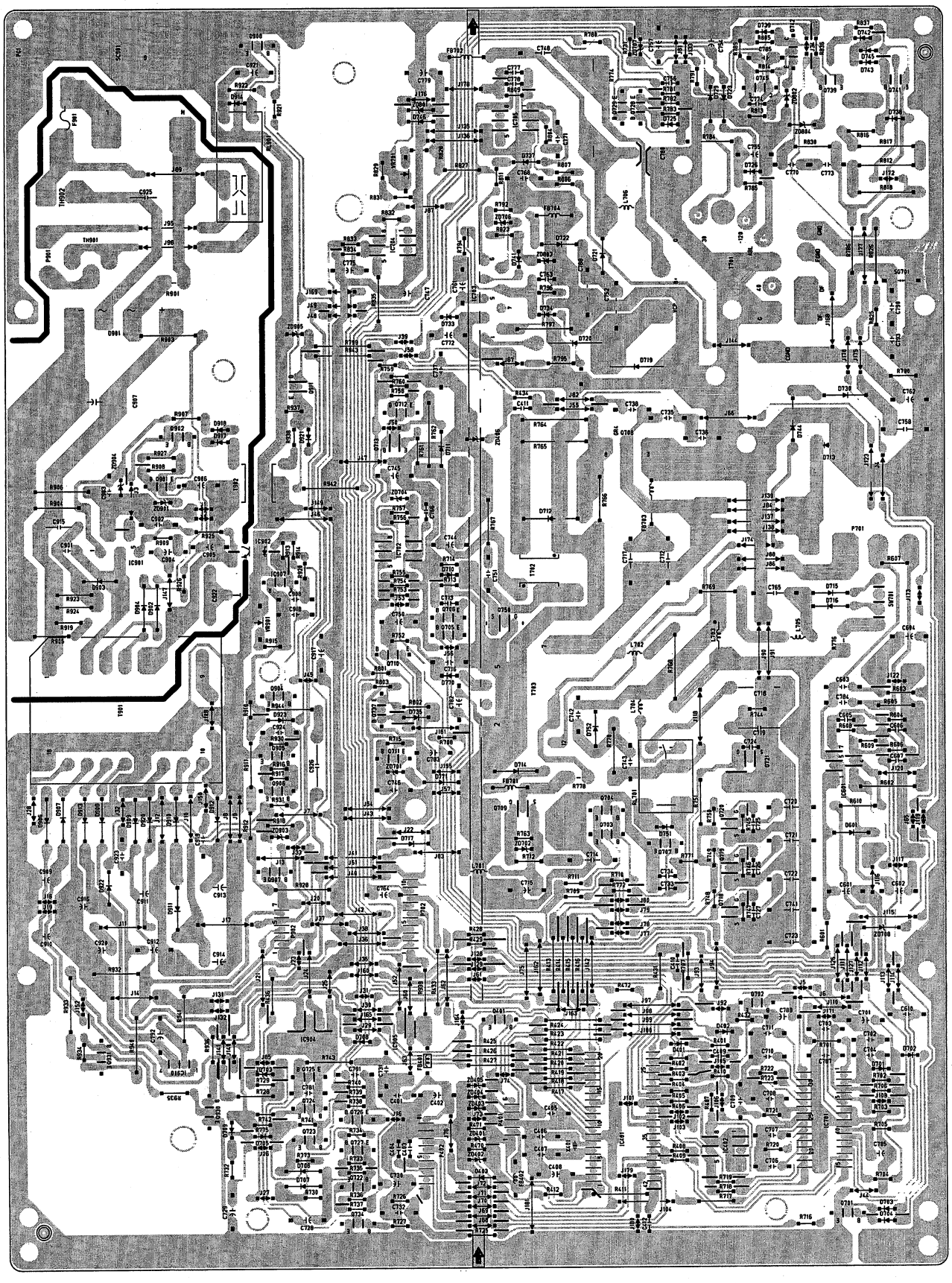
This circuit amplifies the analog video signal from 0-0.7V to 0-4V. This circuit is operated by taking the clamp, R, G, B drives, and contrast signals from the Micom (IC401).

24. Video Output Amp Circuit.

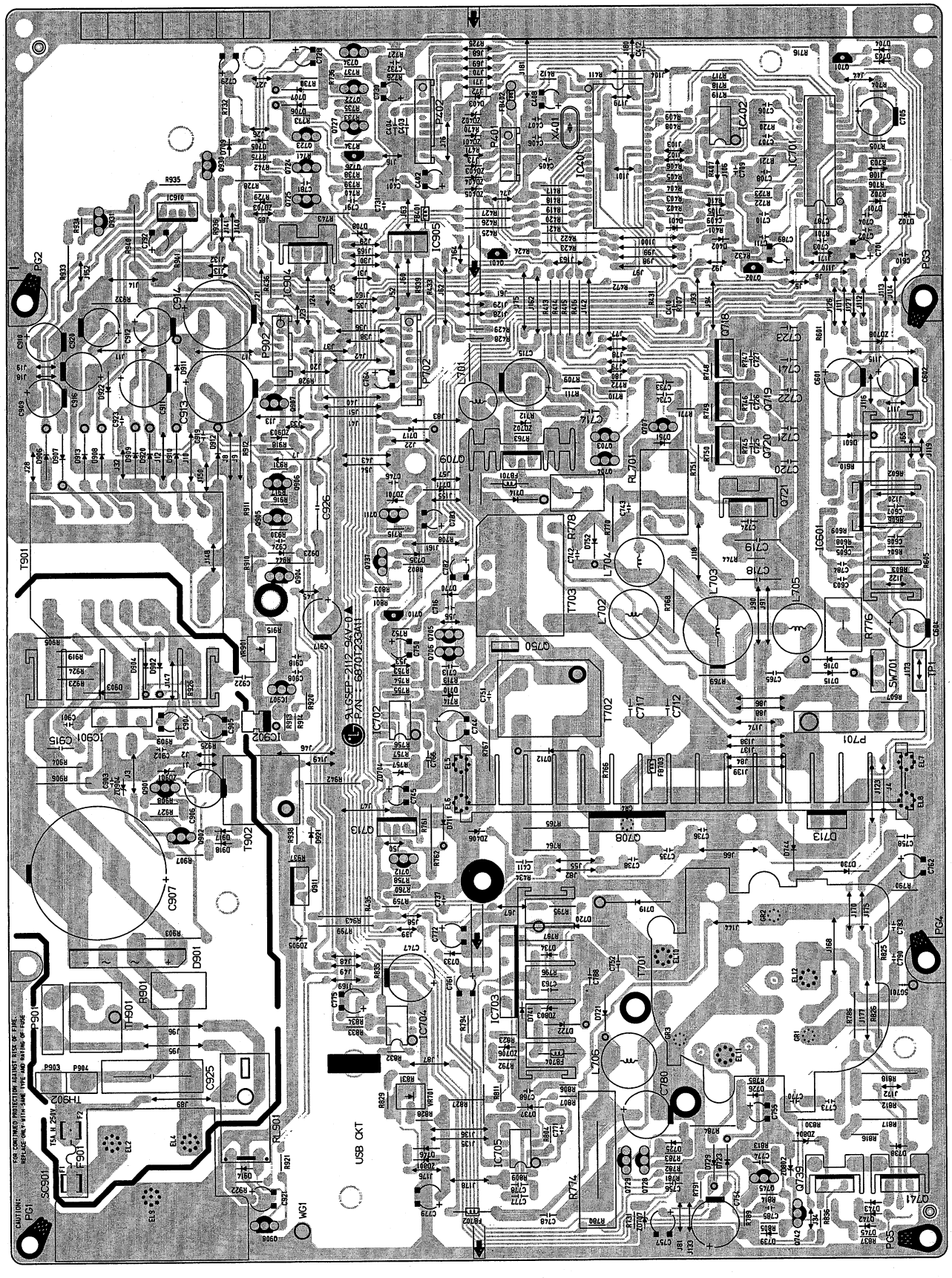
This circuit amplifies the video signal which comes from the video pre-amp circuit and amplified video signal is applied to the CDT cathode.

CONDUCTOR VIEW

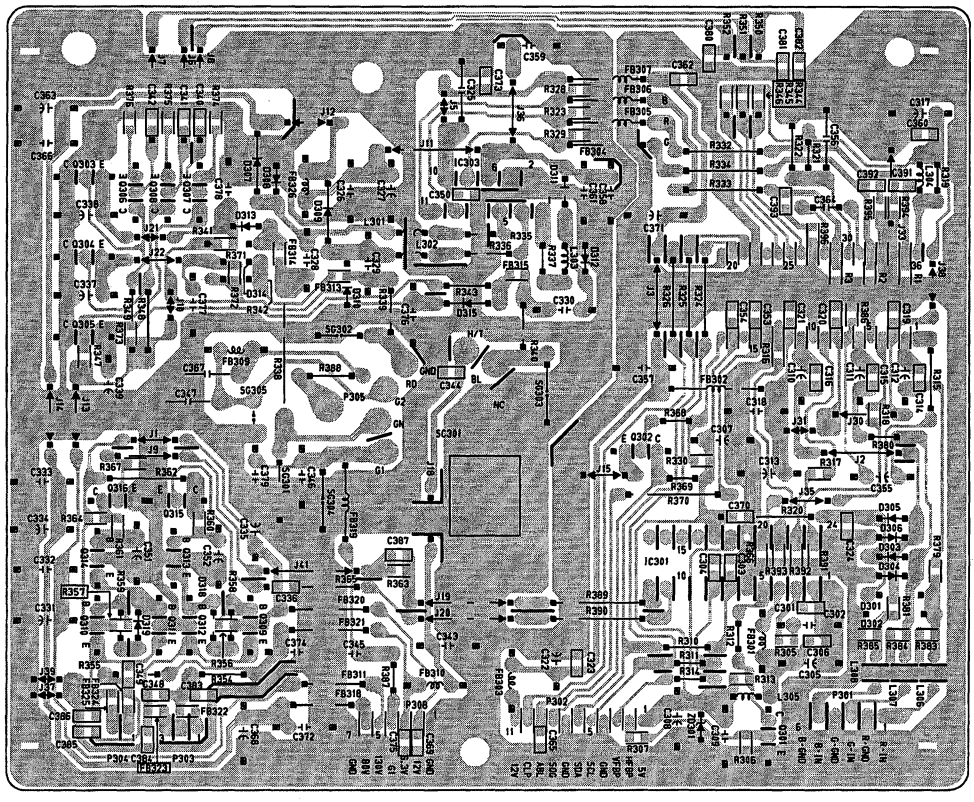
1. MAIN BOARD (Solder Side)



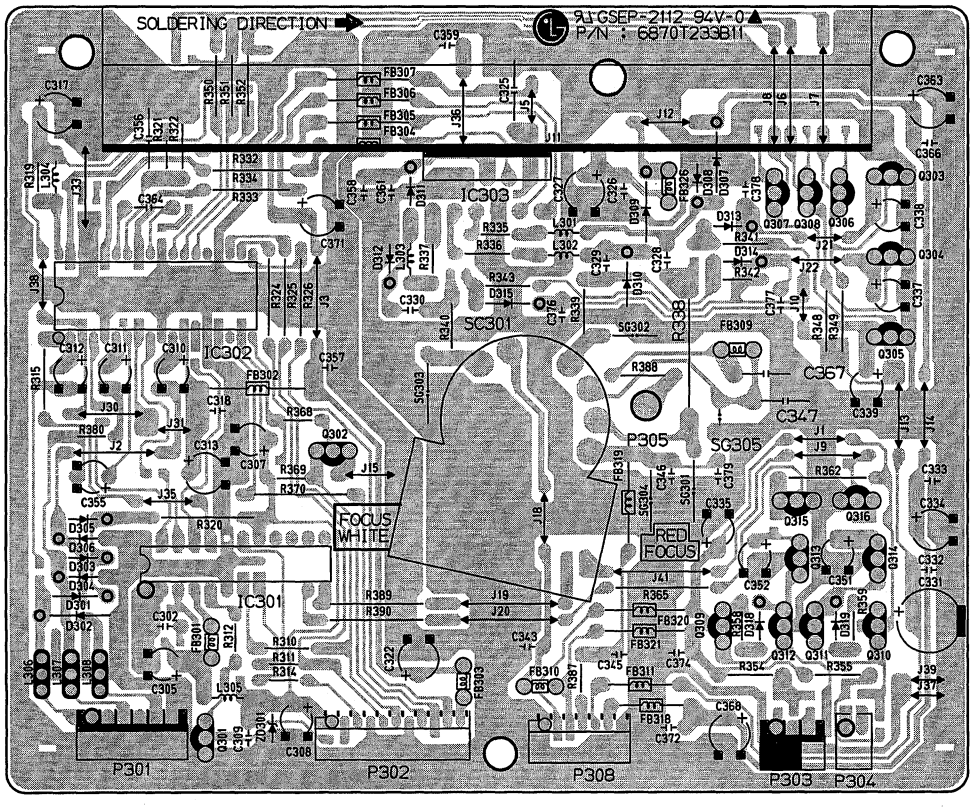
2. MAIN BOARD (Parts Side)



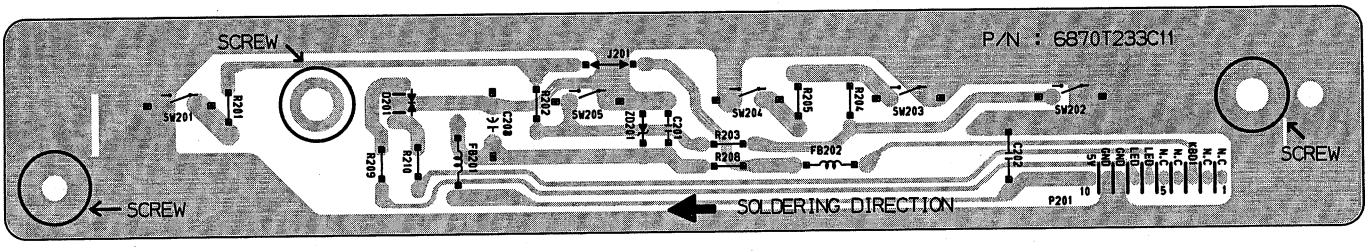
3. VIDEO BOARD (Solder Side)



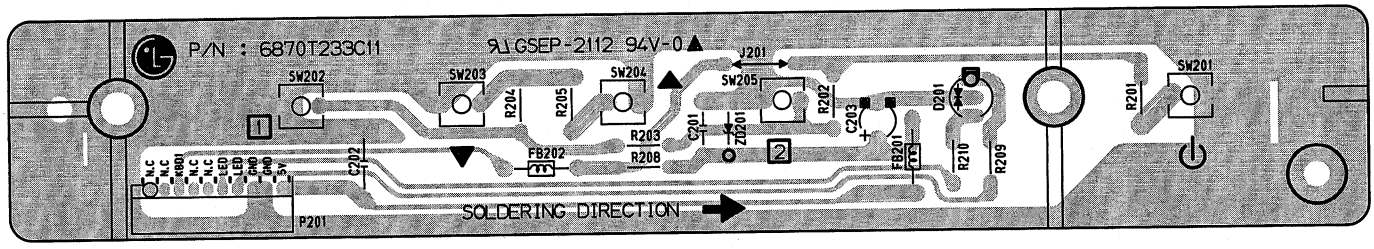
4. VIDEO BOARD (Parts Side)



5. CONTROL BOARD (Solder Side)

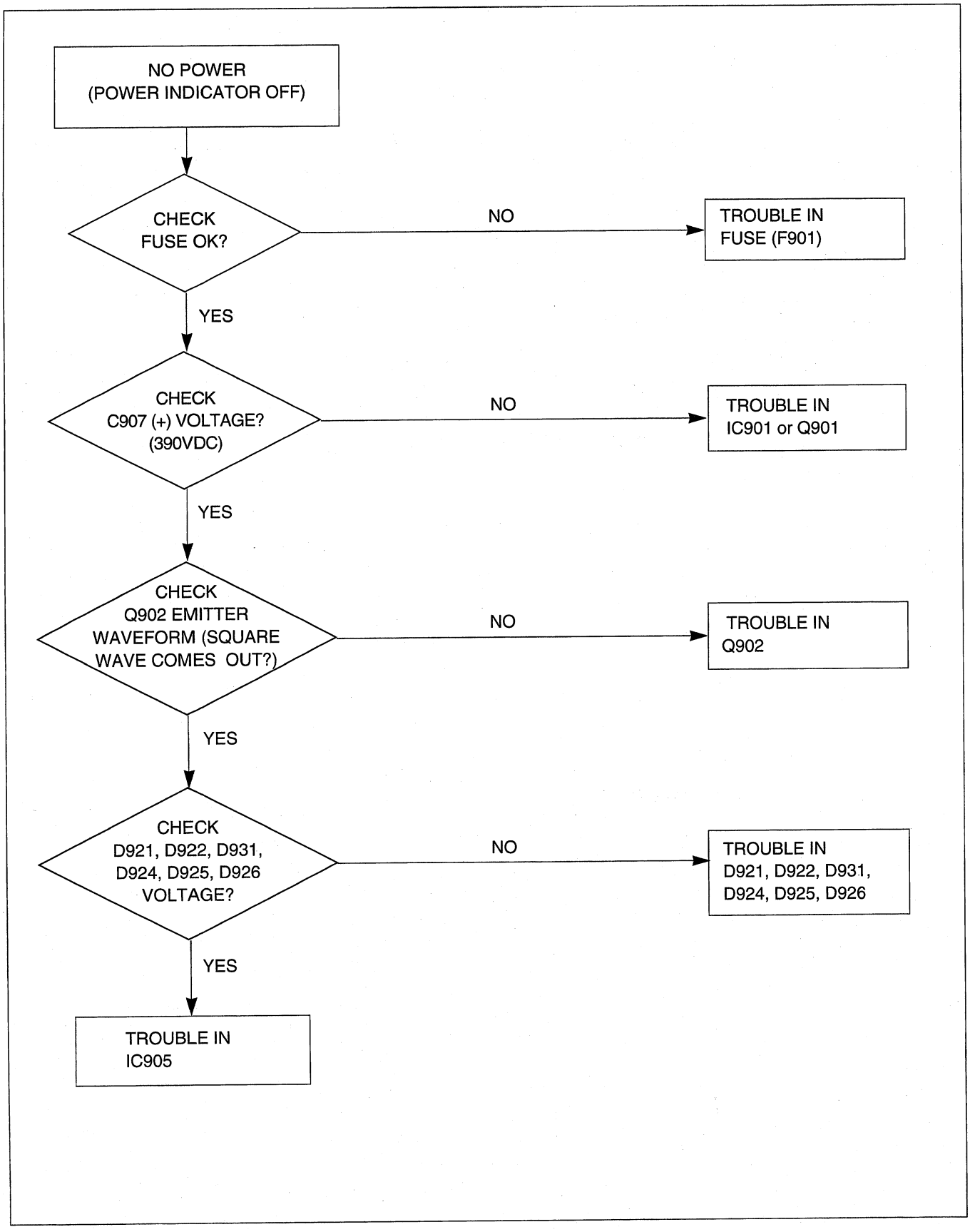


6. CONTROL BOARD (Parts Side)

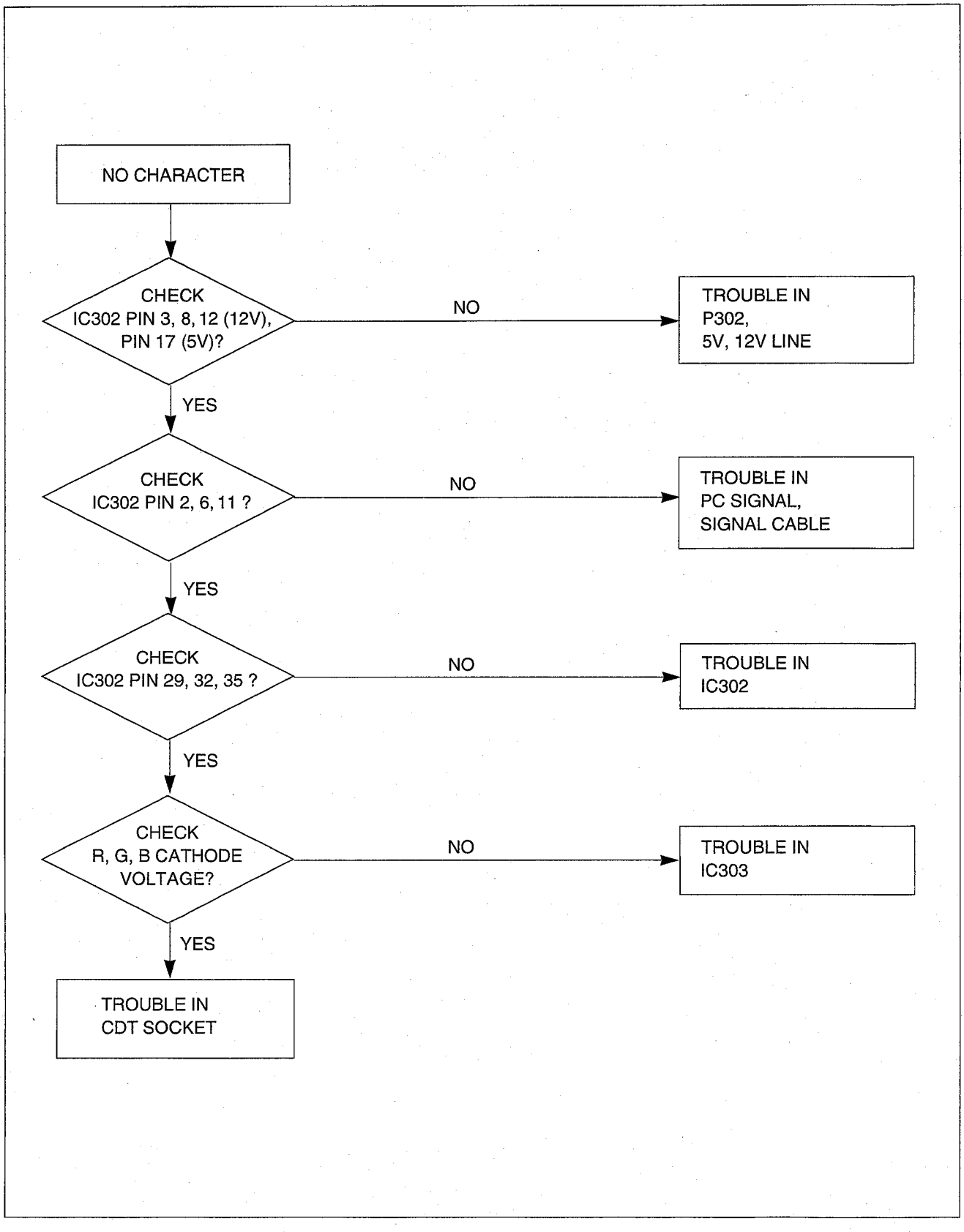


TROUBLESHOOTING GUIDE

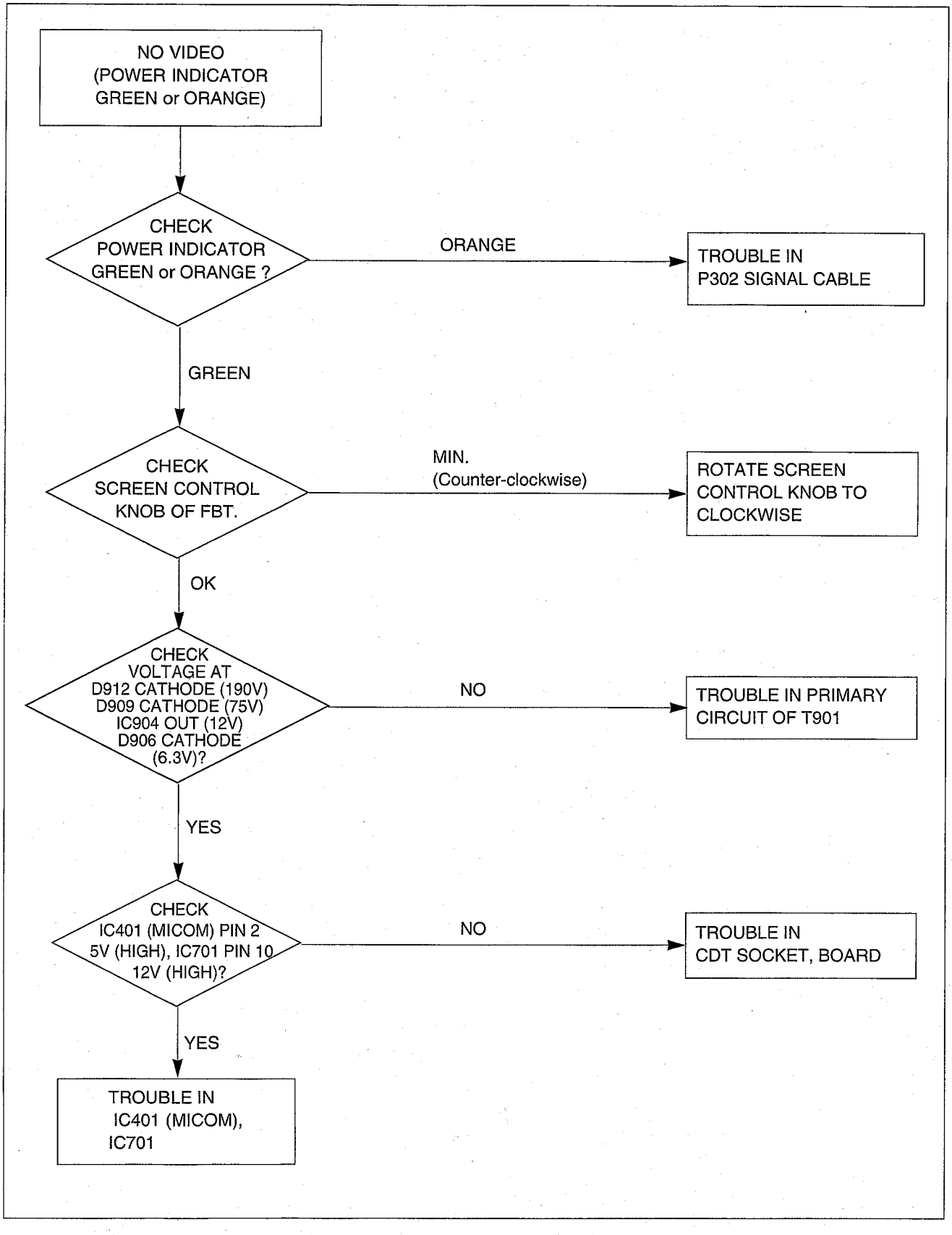
1. NO POWER



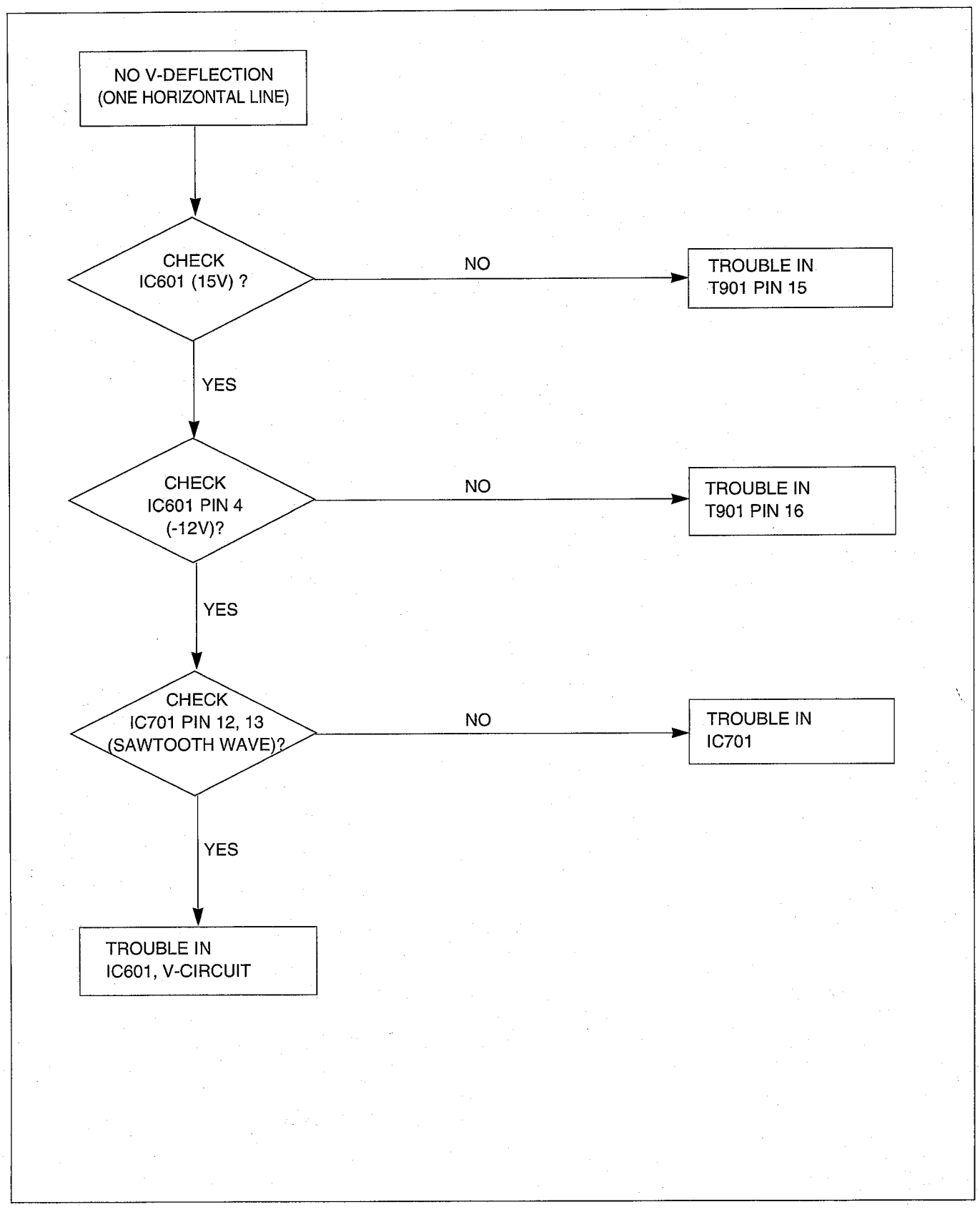
2. NO CHARACTER



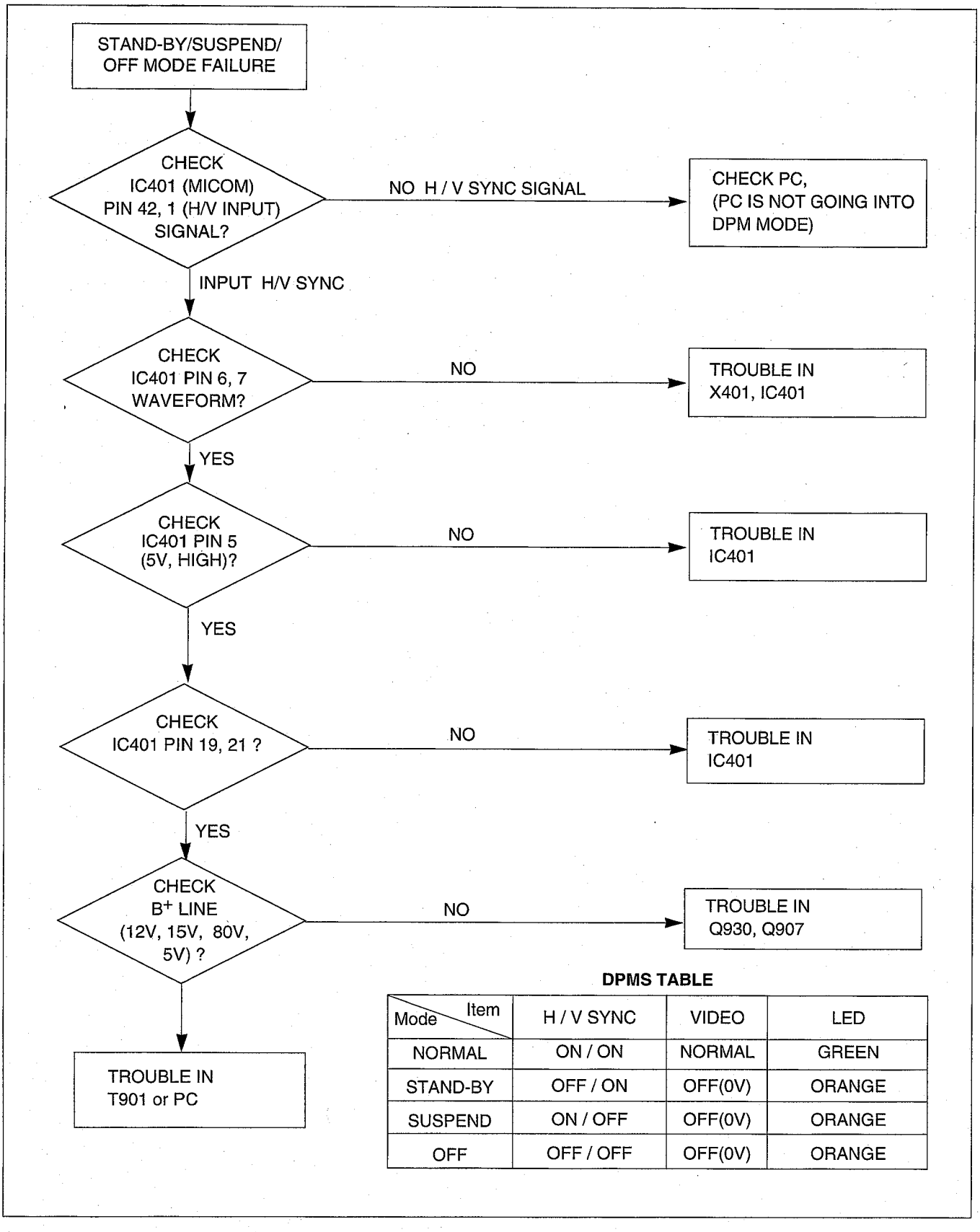
3. NO RASTER


NO VIDEO
(POWER INDICATOR
GREEN or ORANGE)
CHECK
POWER INDICATOR
GREEN or ORANGE ?
ORANGE
TROUBLE IN
P302 SIGNAL CABLE
GREEN
CHECK
SCREEN CONTROL
KNOB OF FBT.
MIN.
(Counter-clockwise)
ROTATE SCREEN
CONTROL KNOB TO
CLOCKWISE
OK
CHECK
VOLTAGE AT
D912 CATHODE (190V)
D909 CATHODE (75V)
IC904 OUT (12V)
D906 CATHODE
(6.3V)?
NO
TROUBLE IN PRIMARY
CIRCUIT OF T901
YES
CHECK
IC401 (MICOM) PIN 2
5V (HIGH), IC701 PIN 10
12V (HIGH)?
NO
TROUBLE IN
CDT SOCKET, BOARD
YES
TROUBLE IN
IC401 (MICOM),
IC701

4. NO HORIZONTAL DEFLECTION



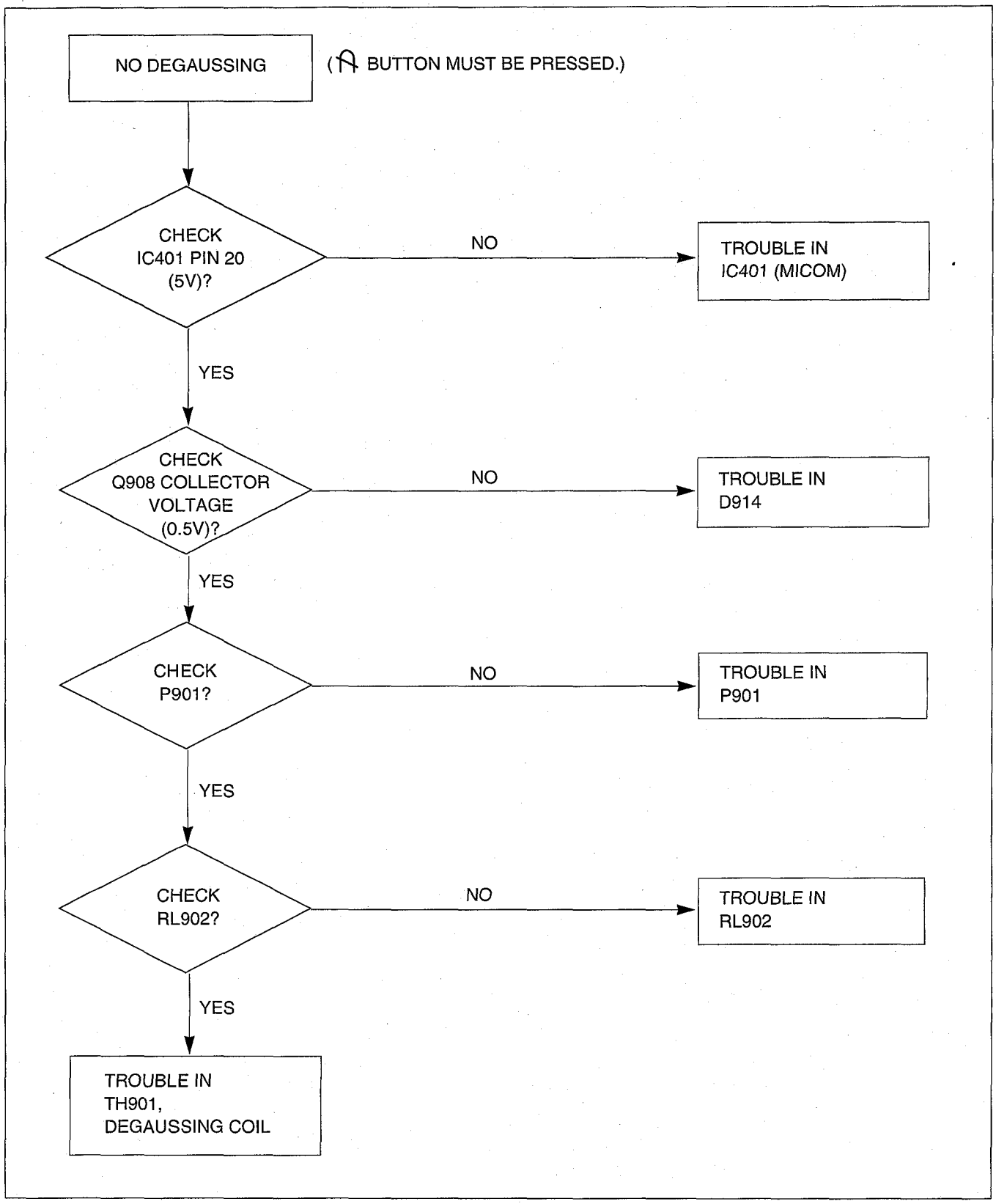
5. TROUBLE IN DPM



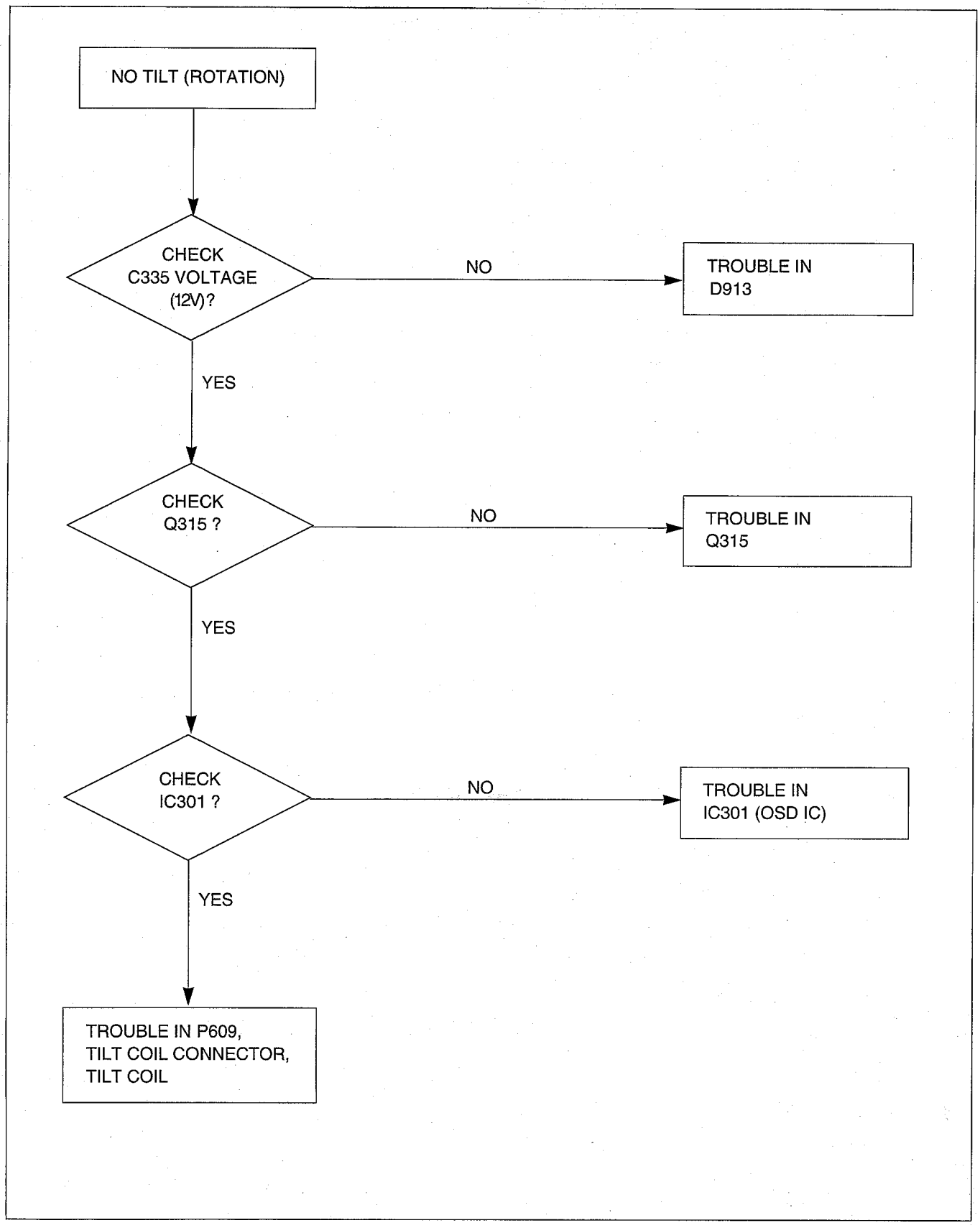
DPMS TABLE

Mode \ Item	H / V SYNC	VIDEO	LED
NORMAL	ON / ON	NORMAL	GREEN
STAND-BY	OFF / ON	OFF(0V)	ORANGE
SUSPEND	ON / OFF	OFF(0V)	ORANGE
OFF	OFF / OFF	OFF(0V)	ORANGE

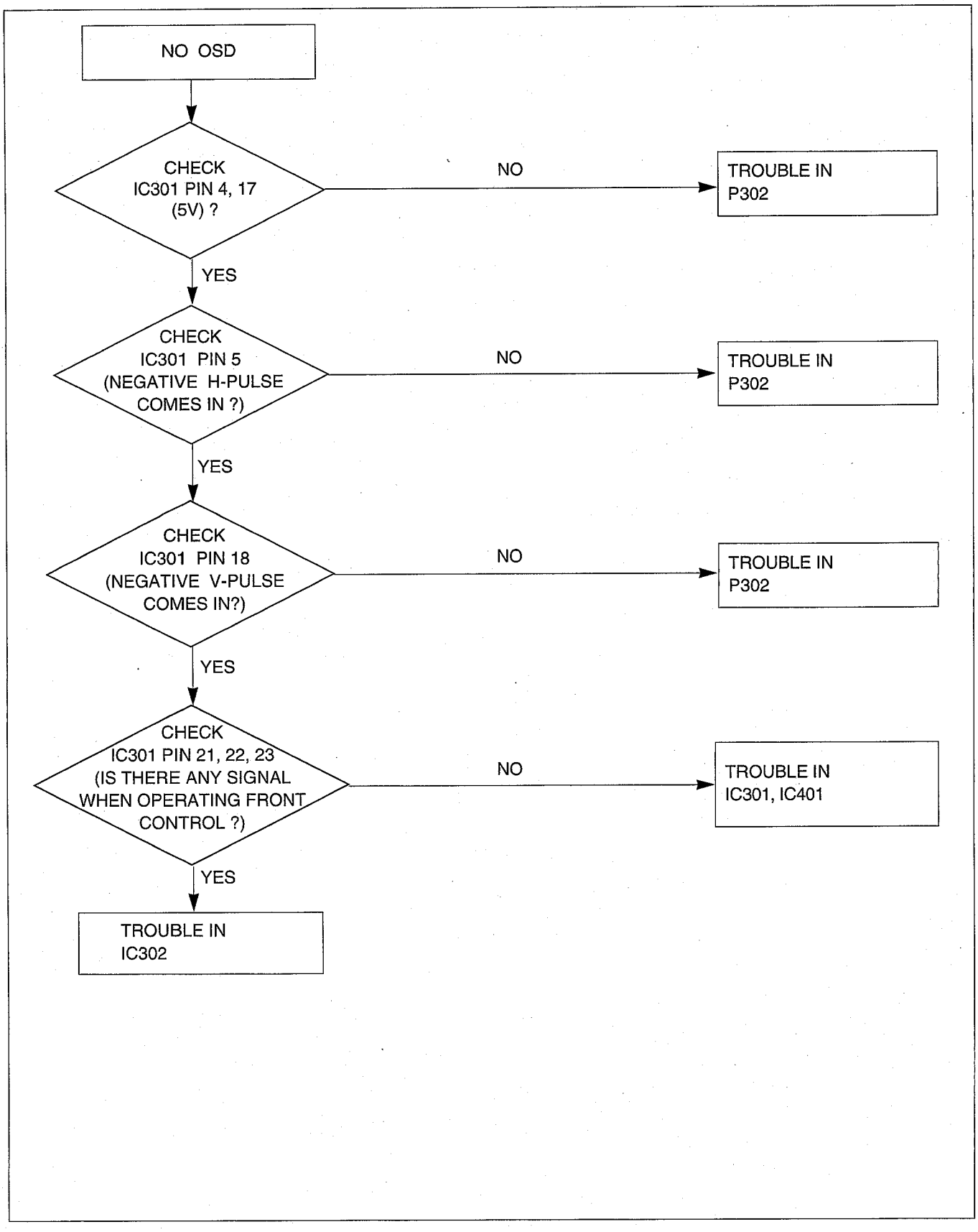
6. NO DEGAUSSING



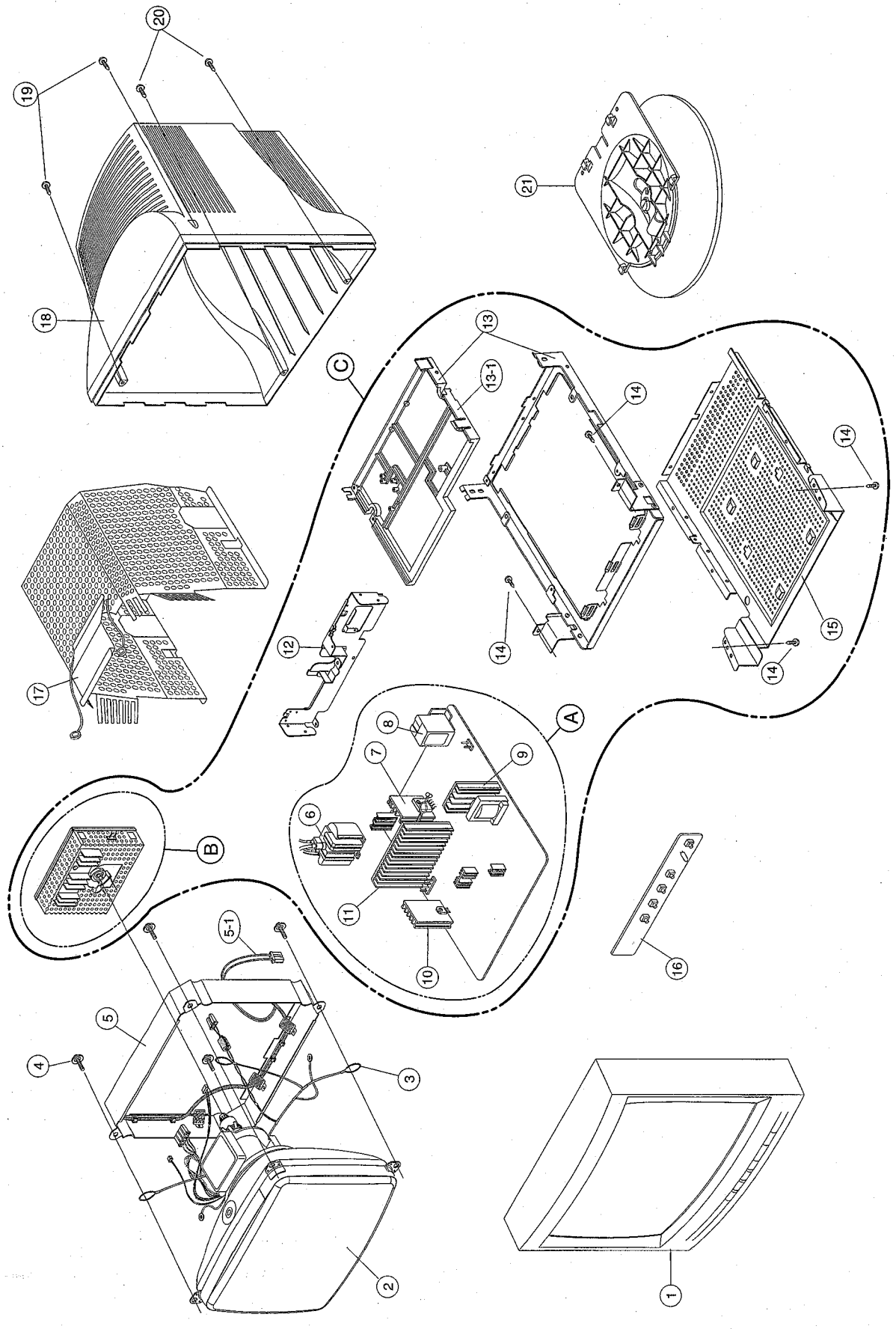
7. NO TILT (ROTATION)



8. TROUBLE IN OSD



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

Ref. No.	Part No.	Description	Q'ty	Material
1	3091TKC033A	CABINET ASS'Y	1	LGC GN5001TF UL94-5V
	3091TKC033B	CABINET ASS'Y, BLACK		
2	2423GG2E91R	CDT, M46QCG913X02NPLS, for Nourthern Hemisphere	1	
	2423GG2E91V	CDT, M46QCG913X02SPLD, for Southern Hemisphere		
3	6868T19001C	CDT EARTH	1	
4	339-002D	SCREW ASS'Y, PHP+5x30+GW18	4	
5	4951TKS045C	METAL FRAME ASS'Y	1	
5-1	6140TC2006A	DEGAUSSING COIL	1	
6	6174Z-1018E	FBT, FMMTC61-M1018C	1	
7	4920TKC016G	PLATE, HEAT SINK FOR IC703	2	AL
8	6200TJB001E	AC SOCKET	1	
9	4920TKC028D	PLATE, HEAT SINK FOR IC901	1	AL
10	4920TKC028D	PLATE, HEAT SINK FOR IC601	1	AL
11	4920TKC003V	PLATE, HEAT SINK FOR Q708, D713	1	AL
12	4951TKK028A	SHIELD, REAR BRACKET	1	
13	4951TKS030G	METAL ASS'Y, SHIELD	1	LGC GN5001TF UL94-5V
13-1	4810TKM027D	MAIN BRACKET	1	AL
14	332-102C	SCREW, PVS+4x12	4	
15	4951TKK015C	METAL ASS'Y, FRAME BOTTOM	1	
16	6871TST150B	CONTROL PCB ASS'Y	1	SPTE-C (t=0.3)
17	4815TKT101D	TOP SHIELD ASS'Y	1	
18	3809TKC018C	BACK COVER ASS'Y	1	LGC GN5001TF UL94-5V
	3809TKC018D	BACK COVER ASS'Y, BLACK		
19	332-105F	SCREW, PTP+4x10	2	
20	332-102J	SCREW, PTP+4x20	2	
21	3043TKK045A	TILT SWIVEL ASS'Y FOR USA TCO95	1	LGC HIPS 60HR UL94-HB
	3043TKK045C	TILT SWIVEL ASS'Y FOR EUROPE TCO99		
	3043TKK045B	TILT SWIVEL ASS'Y, BLACK		LGC ABS HF350
A	6871TMT148B	MAIN PCB ASS'Y	1	
B	6871TVT146B	VIDEO PCB ASS'Y	1	
C	3313T19015B	CHASSIS TOTAL ASS'Y	1	
	3313T19015C	CHASSIS TOTAL ASS'Y, BLACK		

REPLACEMENT PARTS LIST

CAUTION: BEFORE REPLACING ANY OF THESE COMPONENTS, READ CAREFULLY THE **SAFETY PRECAUTIONS** IN THIS MANUAL.
* NOTE : **S** SAFETY Mark ⚠
AL ALTERNATIVE PARTS

MODEL: E790, E790B — DATE: 1999. 12. 10.

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		MAIN BOARD			
		CAPACITORs			
		C401	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C402	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)	
		C403	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C404	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C405	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C406	0CC3300K415	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 33P 50V J NP0 TP	
		C407	0CC3300K415	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 33P 50V J NP0 TP	
		C408	0CE4766F618	CAPACITOR, AL.ELECTROLYTIC, 47U SMS 16V M FM5 TP5	
		C409	0CN3310K519	CAPACITOR, TUBULAR(HIGH DIELEC), 330P 50V K B TA52	
		C410	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C411	0CN2210K519	CAPACITOR, TUBULAR(HIGH DIELEC), 220P 50V K B TA52	
		C412	0CX3300K409	CAPACITOR, TUBULAR(T.C), 33P 50V J SL TA52	
		C601	0CE477CH618	CAPACITOR, AL.ELECTROLYTIC, 470UF SHL 25V M FL TP5	
		C602	0CE336CK638	CAPACITOR, AL.ELECTROLYTIC, 33UF SHL,SD 50V M FM5 TP 5	
		C603	181-288Q	CAPACITOR, POLYESTER, MKT 100V 154JTR PHS26154	
		C604	0CE4776F618	CAPACITOR, AL.ELECTROLYTIC, 470U SMS 16V M FM5 TP5	
		C610	0CK2220K515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 2200P 50V K B TS	
		C701	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C702	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C703	0CQ1021N419	CAPACITOR, POLYESTER, 1000P 100V J POLY NI TP	
		C704	0CK1010K515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 100PF 50V K B TR	
		C705	0CE108CF618	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 16V M FL TP5	
		C706	181-288Q	CAPACITOR, POLYESTER, MKT 100V 154JTR PHS26154	
		C707	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C708	0CQ8221N519	CAPACITOR, POLYESTER, 0.0082U 100V K POLY NI TP	
		C709	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C710	0CQ1031N409	CAPACITOR, POLYESTER, 0.01U 100V J POLY TP	
		C711	0CQ5621N419	CAPACITOR, POLYESTER, 5600P 100V J POLY NI TP	
		C712	0CBZTTA002A	CAPACITOR, POLYPROPYLENE, 2000F D 2.5KV J M/PP NI TP7.5	
		C713	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C714	181-477U	CAPACITOR, POLYPROPYLENE, 333J 19.5*13.0*7.5*7.5 250V J PU TP7.5	
		C715	0CE476CR618	CAPACITOR, AL.ELECTROLYTIC, 47UF SHL,SD 250V M FL TP 5	
		C716	181-288T	CAPACITOR, POLYESTER, MKT 100V 223KTR PHS85223	
		C717	0CBZTTA002A	CAPACITOR, POLYPROPYLENE, 2000F D 2.5KV J M/PP NI TP7.5	
		C718	181-305L	CAPACITOR, POLYPROPYLENE, 684J 26.0*19.0*12.5*15.0 250V J MPP FM15	
		C719	181-305M	CAPACITOR, POLYPROPYLENE, 824J 26.0*21.5*13.0*15.0 250V J MPP FM15	
		C720	181-477Z	CAPACITOR, POLYPROPYLENE, 823J 20.0*17.5*10.0*7.5 250V J PU TP7.5	
		C721	181-482D	CAPACITOR, POLYPROPYLENE, 184J 18.0*15.0*8.5*7.5 250V J MPP TP7.5	
		C722	181-482U	CAPACITOR, POLYPROPYLENE, 254JF 19.0*17.0*10.0*7.5 250V J MPP TP7.5	
		C723	181-478A	CAPACITOR, POLYPROPYLENE, 104J 20.0*18.5*10.5*7.5 250V J PU TP7.5	
		C724	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C725	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C726	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C727	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C728	0CE1056P618	CAPACITOR, AL.ELECTROLYTIC, 1U SMS 160V M FM5 TP5	
		C729	0CE477CH618	CAPACITOR, AL.ELECTROLYTIC, 470UF SHL 25V M FL TP5	
		C730	0CE4756P618	CAPACITOR, AL.ELECTROLYTIC, 4.7U SMS 160V M FM5 TP5	
		C731	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C732	0CQ1031N409	CAPACITOR, POLYESTER, 0.01U 100V J POLY TP	
		C733	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C734	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C735	0CK10102515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 100PF 2KV K B TR	
		C736	0CQ3321N419	CAPACITOR, POLYESTER, 3300P 100V J POLY NI TP	
		C737	0CK4710W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 470P 500V K B TS	
		C738	0CK10102515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 100PF 2KV K B TR	
		C741	181-478A	CAPACITOR, POLYPROPYLENE, 104J 20.0*18.5*10.5*7.5 250V J PU TP7.5	

MODEL: E790, E790B					DATE: 1999. 12. 10.
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		C742	0CK6810W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 680P 500V K B TS	
		C743	0CK47101515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 470P 1KV K B TS	
		C744	0CE1076K618	CAPACITOR, AL.ELECTROLYTIC, 100U SMS 50V M FM5 TP5	
		C745	0CE1066K618	CAPACITOR, AL.ELECTROLYTIC, 10M SMS 50V M FM5 TP(5)	
		C746	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C747	0CE107CP630	CAPACITOR, AL.ELECTROLYTIC, 100UF SHL 160V M FM5 BULK	
		C748	181-477H	CAPACITOR, POLYPROPYLENE, 392J 19.5*12.0*7.0*7.5 250V J PU TP7.5	
		C750	0CE4756K618	CAPACITOR, AL.ELECTROLYTIC, 4.7U SMS 50V M FM5 TP5	
		C751	0CQ1021N419	CAPACITOR, POLYESTER, 1000P 100V J POLY NI TP	
		C752	0CBZTTA001B	CAPACITOR, POLYPROPYLENE, 122J 20.0*10.0*6.0*7.5 800V J BUP TP7.5	
		C754	0CE107CP630	CAPACITOR, AL.ELECTROLYTIC, 100UF SHL 160V M FM5 BULK	
		C755	0CE105CK638	CAPACITOR, AL.ELECTROLYTIC, 1UF SHL,SD 50V M FM5 TP 5	
		C756	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C757	0CE2266K618	CAPACITOR, AL.ELECTROLYTIC, 22M SMS 50V M FM5 TP(5)	
		C758	0CK10302945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.01UF 2KV Z F TR	
		C761	0CE2266K618	CAPACITOR, AL.ELECTROLYTIC, 22M SMS 50V M FM5 TP(5)	
		C762	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C763	0CN1020K519	CAPACITOR, TUBULAR(HIGH DIELEC), 1000P 50V K B TA52	
		C764	0CE3366F618	CAPACITOR, AL.ELECTROLYTIC, 33U SMS 16V M FM5 TP5	
		C765	0CBZTTA001S	CAPACITOR, POLYPROPYLENE, 123J 23.0*16.0*9.5*7.5 800V J BUP TP7.5	
		C766	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C768	181-288Q	CAPACITOR, POLYESTER, MKT 100V 154JTR PHS26154	
		C770	0CC1000W105	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 10PF 500V D SL TR	
		C771	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C773	0CC1000W105	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 10PF 500V D SL TR	
		C774	0CN1020K519	CAPACITOR, TUBULAR(HIGH DIELEC), 1000P 50V K B TA52	
		C775	0CE4766K618	CAPACITOR, AL.ELECTROLYTIC, 47M SMS 50V M FM5 TP(5)	
		C777	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C778	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C779	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C780	0CE107EP630	CAPACITOR, AL.ELECTROLYTIC, 100UF KMG 160V M FM5 BULK	
		C781	181-288C	CAPACITOR, POLYESTER, MKT 100V 224JTR PHS 26224	
		C782	0CE1076H618	CAPACITOR, AL.ELECTROLYTIC, 100M SMS 25V M FM5 TP(5)	
		C783	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)	
		C784	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C785	0CC4700K415	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 47P 50V J NP0 TP	
		C787	181-475A	CAPACITOR, POLYPROPYLENE, 102J 11.5*10.0*6.0*5.0 100V J PU TP5	
		C788	181-477H	CAPACITOR, POLYPROPYLENE, 392J 19.5*12.0*7.0*7.5 250V J PU TP7.5	
		C789	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C790	0CK10102515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 100PF 2KV K B TR	
		C791	0CK2220W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 2200P 500V K B TS	
		C792	0CE4766F618	CAPACITOR, AL.ELECTROLYTIC, 47U SMS 16V M FM5 TP5	
		C793	0CK10102515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 100PF 2KV K B TR	
		C901	0CK27101515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 270P 1KV K B TS	
		C902	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C903	0CK3320K515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 3300P 50V K B TS	
		C904	0CE335EK638	CAPACITOR, AL.ELECTROLYTIC, 3.3UF KMG 50V M FM5 TP 5	
		C905	0CE4766H618	CAPACITOR, AL.ELECTROLYTIC, 47M SMS 25V M FL TP(5)	
		C906	0CE226CQ618	CAPACITOR, AL.ELECTROLYTIC, 22U SHL 200V M FL TP5	
		C907	181-296G	CAPACITOR, AL.ELECTROLYTIC, 470UF SMH(35*45) 400V M VNSN BULK	
		C908	181-288D	CAPACITOR, POLYESTER, MKT 100V 473JTR PHS26473	
		C909	0CE108CF630	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 16V M FM5 BULK	
		C910	0CE108CF630	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 16V M FM5 BULK	
		C911	0CE227EN630	CAPACITOR, AL.ELECTROLYTIC, 220UF KMG 100V M FM5 BULK	
		C912	0CE1076K618	CAPACITOR, AL.ELECTROLYTIC, 100U SMS 50V M FM5 TP5	
		C913	0CE227CR650	CAPACITOR, AL.ELECTROLYTIC, 220UF SHL 250V M FM7.5 BULK	
		C914	0CE2276P650	CAPACITOR, AL.ELECTROLYTIC, 220U SMS 160V M FM7.5	
		C915	181-308V	CAPACITOR, POLYPROPYLENE, 393J 20.0*21.0*13.5*10.0 630V J PU FM10	
		C916	0CE108EH630	CAPACITOR, AL.ELECTROLYTIC, 1000UF KMG 25V M FM5 BULK	
		C917	0CE108CH618	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 25V M FL TP5	
		C919	0CK56101515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 560P 1KV K B TS	
		C920	0CE2266N618	CAPACITOR, AL.ELECTROLYTIC, 22M SMS 100V M FM5 TP5	
		C921	0CE4766F618	CAPACITOR, AL.ELECTROLYTIC, 47U SMS 16V M FM5 TP5	
		C922	0CKZTBU003C	CAPACITOR, CERAMIC (HIGH DIELECTRIC), SC E 472M 14.0BW7 250V BK7.5	SAMWHA Y2
		C923	0CK33101515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 330P 1KV K B TS	
		C924	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	

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		C925	0CBZTBU002A	CAPACITOR, POLYESTER, BULK PCX2 335 224K	
		C926	181-305J	CAPACITOR, POLYPROPYLENE, 474J 26.0*17.0*10.5*15.0 250V J MPP FM15	
	DIODEs				
		D401	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D402	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D601	0DD400509BB	DIODE, RECTIFIER, UF4005(52MM) TP G.I DO41 600V 1A 30A 75NS 10UA	
		D701	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D702	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D703	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D704	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D705	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D706	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A ,SEC 5UA	
		D707	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A ,SEC 5UA	
		D708	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D709	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D710	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D711	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A ,SEC 5UA	
		D712	0DD140009AA	DIODE, RECTIFIER, EK14 V(1) TP SANKEN E/EO-TMD 40V 1.5A 40A 0.2US 5M	
		D713	0DR200000EA	DIODE, RECTIFIER, FMQ-G2FMS BK SANKEN NON 1500V 10A 50A 0.5USEC	
		D714	0DR260400AA	DIODE, RECTIFIER, S2L60-4004P15 BK SHINDENGEN NON 600V 1.5A 50A	
		D717	0DD140009AA	DIODE, RECTIFIER, EK14 V(1) TP SANKEN E/EO-TMD 40V 1.5A 40A 0.2US 5M	
		D719	0DD245620AA	DIODE, RECTIFIER, 2NH45(LC6-20) BK TOSHIBA DO201AD 1000V 2A 50A 75	
		D720	0DD245620AA	DIODE, RECTIFIER, 2NH45(LC6-20) BK TOSHIBA DO201AD 1000V 2A 50A 75	
		D721	0DD400709CB	DIODE, RECTIFIER, UF4007 TP G.I DO204AL 1000V 1A 30A 75NS 10UA	
		D722	0DD400709CB	DIODE, RECTIFIER, UF4007 TP G.I DO204AL 1000V 1A 30A 75NS 10UA	
		D723	0DD100009DE	DIODE, RECTIFIER, RGP10G TP G.I DO204AL 400V 1A 30A 150NS 5UA	
		D725	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D726	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D729	0DD100009DD	DIODE, RECTIFIER, RGP10D TP G.I DO204AL 200V 1A 30A 150NS 5UA	
		D730	0DD400709CB	DIODE, RECTIFIER, UF4007 TP G.I DO204AL 1000V 1A 30A 75NS 10UA	
		D733	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D734	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D737	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D738	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D739	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D741	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D742	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D743	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D744	0DD400709CB	DIODE, RECTIFIER, UF4007 TP G.I DO204AL 1000V 1A 30A 75NS 10UA	
		D745	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D746	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D751	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D752	0DD100009DA	DIODE, RECTIFIER, RGP10J TP G.I DO204AL 600V 1A 30A 250NS 5UA	
		D770	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D771	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D901	0DD606000AA	DIODE, BRIDGE, RBV606 BK SANKEN 600V 6A 150A 10UA	
		D902	0DD400709CB	DIODE, RECTIFIER, UF4007 TP G.I DO204AL 1000V 1A 30A 75NS 10UA	
		D903	0DD400709CB	DIODE, RECTIFIER, UF4007 TP G.I DO204AL 1000V 1A 30A 75NS 10UA	
		D904	0DD100009DA	DIODE, RECTIFIER, RGP10J TP G.I DO204AL 600V 1A 30A 250NS 5UA	
		D906	0DR240000CA	DIODE, RECTIFIER, RN2Z(LF-C4) BK SANKEN NON 200V 2A 70A 100NSEC	
		D907	0DR240000CA	DIODE, RECTIFIER, RN2Z(LF-C4) BK SANKEN NON 200V 2A 70A 100NSEC	
		D908	0DD400509BB	DIODE, RECTIFIER, UF4005(52MM) TP G.I DO41 600V 1A 30A 75NS 10UA	
		D909	0DD200009AH	DIODE, RECTIFIER, RU2AMV(1) TP SANKEN R-TMD 600V 1.1A 20A 0.4US	
		D910	0DR260400AA	DIODE, RECTIFIER, S2L60-4004P15 BK SHINDENGEN NON 600V 1.5A 50A	
		D911	0DR260400AA	DIODE, RECTIFIER, S2L60-4004P15 BK SHINDENGEN NON 600V 1.5A 50A	
		D912	0DR210009AB	DIODE, RECTIFIER, RL2AV(1) TP SANKEN A-TMD 600V 1.1A 30A 50NS 50UA	
		D913	0DD200009AJ	DIODE, RECTIFIER, RL2Z V(1) TP SANKEN A-TMD 200V 2A 30A 50NS 50UA	
		D914	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D917	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D918	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D920	0DD100009DA	DIODE, RECTIFIER, RGP10J TP G.I DO204AL 600V 1A 30A 250NS 5UA	
		D921	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D922	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A ,SEC 5UA	
		D923	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	

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		ZD401	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD402	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD403	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD404	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD405	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD406	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD701	0DZ110009AD	DIODE, ZENER, MTZJ11B TP ROHM-K DO34 500MW 11V 5MA	
		ZD702	0DZ180009AG	DIODE, ZENER, MTZJ18B TP ROHM-K DO34 500MW 18V 5MA	
		ZD703	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD704	0DZ750009AG	DIODE, ZENER, MTZJ7.5B TP ROHM-K DO34 0.5W 7.5V 5MA .PF	
		ZD706	0DZ510009AB	DIODE, ZENER, MTZ5.1B TP ROHM-K DO34 500MW 5.1V 20MA	
		ZD707	0DZ680009BB	DIODE, ZENER, MTZJ6.8B TP ROHM-K DO34 0.5W 6.8V 5MAA .PF	
		ZD708	0DZ180009AG	DIODE, ZENER, MTZJ18B TP ROHM-K DO34 500MW 18V 5MA	
		ZD801	0DZ820009AH	DIODE, ZENER, MTZJ8.2B TP ROHM-K DO34 500MW 8.2V 5MA	
		ZD802	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD803	0DZ470005AA	DIODE, ZENER, MTZ 4.7B TP ROHM-K DO34 500MW 4.7V 20MA	
		ZD804	0DZ750009AG	DIODE, ZENER, MTZJ7.5B TP ROHM-K DO34 0.5W 7.5V 5MA .PF	
		ZD901	0DZ150009AD	DIODE, ZENER, MTZJ15B TP ROHM-K DO34 500MW 15V 5MA	
		ZD903	0DZ680009BB	DIODE, ZENER, MTZJ6.8B TP ROHM-K DO34 0.5W 6.8V 5MAA .PF	
		ZD904	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD905	0DZ110009AD	DIODE, ZENER, MTZJ11B TP ROHM-K DO34 500MW 11V 5MA	
	ICs				
		IC401	0IZZTSZ058A	IC[HYBRID], OTP BK CV991C MICOM ASSY	
		IC402	0ISS240810B	IC, SAMSUNG ELECTRONICS, KS24C081C 8DIP ST 8K EEPROM IC	
		IC701	0IPH485600A	IC, PHILIPS, TDA4856 SDIP32 BK IIC DEFLECTION CONT. IC	
		IC702	0ISS358000C	IC, SAMSUNG ELECTRONICS, KA358 OP AMP	
		IC704	0INS353000A	IC, NATIONAL SEMICONDUCTOR, LF353N OP-AMP	
		IC705	0ISS358000C	IC, SAMSUNG ELECTRONICS, KA358 OP AMP	
		IC902	0ILI817000E	IC, LITEON, LTV-817M B 4P BK PHOTO COUPLER CTR(130-260),	
		IC905	0ISS780500F	IC, SAMSUNG ELECTRONICS, KA7805	
		IC907	0ISS431000A	IC, SAMSUNG ELECTRONICS, KA431AZ (LM431AZ),	
		IC910	0ISH608300A	IC, SHARP, PQ6RD083 4P BK 6.3V VOL. REGULATOR	
	COILs & COREs				
		L701	150-235C	COIL, CHOKE, DR8*11 100UH 0.4MM 53.5T	
		L702	150-985N	COIL, CHOKE, DR10*10 4.7UH 0.16MM 322.5T FILTER CHOKE	
		L703	150-L05N	COIL, LINEARITY, DR14*15 14*6T 5.6UH 0.12*30MM 17.5T	
		L704	150-985R	COIL, CHOKE, DR10*12 50UH 0.12*15MM 35.5T SWITCHING CHOKE	
		L705	150-985P	COIL, CHOKE, DR12*15 6MH 0.25MM 365.5T H-CENTERING	
		L706	6140TBZ009C	COIL, CHOKE, NO CORE 10UH 0.12*15MM 50.5T FILTER CHOKE	
		FB401	125-155K	CORE (CIRC), BEAD, BFS3550A0FG SAMWHA 3.5*5.0MM AXIAL52MM	
		FB402	125-155A	CORE (CIRC), BEAD, BFD3510R2FG SAMWHA 3.5*10MM RADIAL	
		FB701	125-155L	CORE (CIRC), BEAD, BFS3580A0FG SAMWHA 3.5*8.0MM AXIAL52MM	
		FB702	125-155L	CORE (CIRC), BEAD, BFS3580A0FG SAMWHA 3.5*8.0MM AXIAL52MM	
		FB703	125-155H	CORE (CIRC), BEAD, BFS3510A0FG SAMWHA 3.5*10MM AXIAL52MM	
		FB704	125-155L	CORE (CIRC), BEAD, BFS3580A0FG SAMWHA 3.5*8.0MM AXIAL52MM	
	TRANSISTORs				
		Q401	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q701	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q702	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q703	0TR471009AA	TRANSISTOR, KSD471AC-Y TP SAMSUNG TO92 NPN	
		Q704	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
		Q705	0TR471009AA	TRANSISTOR, KSD471AC-Y TP SAMSUNG TO92 NPN	
		Q706	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
		Q707	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q708	0TR558900BA	TRANSISTOR, 2SC5589(LG,W/M) BK TOSHIBA TO3P H-OUT TR 1500V 23A	
		Q710	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q711	0TR200009AB	TRANSISTOR, KTC200-Y TP KEC TO92 NPN	
		Q712	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q713	0TR880000CA	TRANSISTOR, 2SD880-O BK TOSHIBA TO220AB NPN	
		Q718	0TF640000CA	FET, RFS640A BK SAMSUNG 200V 9A TO220F	

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		Q719	0TF640000CA	FET, RFS640A BK SAMSUNG 200V 9A TO220F	
		Q720	0TF640000CA	FET, RFS640A BK SAMSUNG 200V 9A TO220F	
		Q722	0TR231009AA	TRANSISTOR, KSC2310-Y TP SAMSUNG TO92L NPN	
		Q723	0TR910009AA	TRANSISTOR, KSA910-YTA TP SAMSUNG TO92L PNP	
		Q724	0TR910009AA	TRANSISTOR, KSA910-YTA TP SAMSUNG TO92L PNP	
		Q725	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q726	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q727	0TR101309CC	TRANSISTOR, KSA1013-YTA TP SAMSUNG TO92L PNP	
		Q728	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q729	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q734	0TR320709AA	TRANSISTOR, KTC3207(KTC2482) TP KEC TO92L NPN	
		Q737	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q739	0TR463300AB	TRANSISTOR, 2SC4633(LS-CB11) BK SANYO LS-CB11 NPN	
		Q741	0TR463300AB	TRANSISTOR, 2SC4633(LS-CB11) BK SANYO LS-CB11 NPN	
		Q742	0TR390409CA	TRANSISTOR, 2N3904 TP SAMSUNG TO92 NPN	
		Q745	0TR390600CA	TRANSISTOR, 2N3906 TP SAMSUNG TO92 NPN	
		Q750	0TF283509AA	FET, 2SK2835(TP) TP TOSHIBA 200V 5A NON	
		Q901	0TR320709AA	TRANSISTOR, KTC3207(KTC2482) TP KEC TO92L NPN	
		Q902	0TR320709AA	TRANSISTOR, KTC3207(KTC2482) TP KEC TO92L NPN	
		Q904	0TR319809AB	TRANSISTOR, KTC3198-GR(KTC1815) TP KEC TO92 NPN	
		Q905	0TR320609AB	TRANSISTOR, KTC3206-Y(KTC2229) TP KEC TO92L NPN	
		Q906	0TR127509AC	TRANSISTOR, KTA1275-Y(KTA1013) TP KEC TO92L PNP	
		Q907	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q908	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q911	0TR401000CC	TRANSISTOR, KSD401-Y(W/MICA) BK SAMSUNG TO220 NPN	
		Q930	0TR320609AB	TRANSISTOR, KTC3206-Y(KTC2229) TP KEC TO92L NPN	
		Q931	0TR127509AC	TRANSISTOR, KTA1275-Y(KTA1013) TP KEC TO92L PNP	
	RESISTORs				
		R401	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R402	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R403	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R404	0RD1500Q609	RESISTOR, FIXED CARBON FILM, 150 1/4W(3 5% TA52	
		R405	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R406	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R407	0RD0332Q609	RESISTOR, FIXED CARBON FILM, 33 1/4W(3 5% TA52	
		R408	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R409	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R410	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R411	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R412	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R413	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R414	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R415	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R416	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R417	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R418	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R419	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R420	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R421	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R422	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R423	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R424	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R425	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R426	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R427	0RD5602Q609	RESISTOR, FIXED CARBON FILM, 56K 1/4W(3 5% TA52	
		R428	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R429	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R431	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R432	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R433	0RD4700Q609	RESISTOR, FIXED CARBON FILM, 470 OHM 1/4 W (3.4) 5% TA52	
		R434	0RD2002Q609	RESISTOR, FIXED CARBON FILM, 20K 1/4W(3 5% TA52	
		R435	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R436	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R470	0RD1801Q609	RESISTOR, FIXED CARBON FILM, 1.80K 1/4W(3 5% TA52	

MODEL: E790, E790B					DATE: 1999.12.10.
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		R471	0RD1801Q609	RESISTOR, FIXED CARBON FILM, 1.80K 1/4W(3 5% TA52	
		R472	0RD2201Q609	RESISTOR, FIXED CARBON FILM, 2.20K 1/4W(3 5% TA52	
		R601	0RD0101A609	RESISTOR, FIXED CARBON FILM, 1 OHM 1/2 W (7.0) 5% TA52	
		R602	0RX2400K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 240 OHM 2 W 5% TA62	
		R603	0RD0112A609	RESISTOR, FIXED CARBON FILM, 11 OHM 1/2 W (7.0) 5% TA52	
		R604	0RN2001F409	RESISTOR, FIXED METAL FILM, 2K 1/6W 1% TA52	
		R605	0RN0910H509	RESISTOR, FIXED METAL FILM, 0.91 1/2W 2 TA52	
		R606	0RN2001F409	RESISTOR, FIXED METAL FILM, 2K 1/6W 1% TA52	
		R607	0RD1600A609	RESISTOR, FIXED CARBON FILM, 160 OHM 1/2 W (7.0) 5% TA52	
		R608	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R609	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R610	0RN0470H609	RESISTOR, FIXED METAL FILM, 0.47 1/2W 5 TA52	
		R701	0RD6801Q609	RESISTOR, FIXED CARBON FILM, 6.80K 1/4W(3 5% TA52	
		R702	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R703	0RN4702F409	RESISTOR, FIXED METAL FILM, 47K 1/6W 1% TA52	
		R704	0RN4702F409	RESISTOR, FIXED METAL FILM, 47K 1/6W 1% TA52	
		R705	0RD0471Q609	RESISTOR, FIXED CARBON FILM, 4.70 1/4W(3 5% TA52	
		R706	0RN2002F409	RESISTOR, FIXED METAL FILM, 20K 1/6W 1% TA52	
		R707	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R708	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R709	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R710	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R711	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R712	0RD0222Q609	RESISTOR, FIXED CARBON FILM, 22 1/4W(3 5% TA52	
		R713	0RD0471Q609	RESISTOR, FIXED CARBON FILM, 4.70 1/4W(3 5% TA52	
		R714	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R715	0RD3301Q609	RESISTOR, FIXED CARBON FILM, 3.30K 1/4W(3 5% TA52	
		R716	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R717	0RD4301Q609	RESISTOR, FIXED CARBON FILM, 4.30K 1/4W(3 5% TA52	
		R718	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R719	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R720	0RD2202Q609	RESISTOR, FIXED CARBON FILM, 22K 1/4W(3 5% TA52	
		R721	0RD3301Q609	RESISTOR, FIXED CARBON FILM, 3.30K 1/4W(3 5% TA52	
		R722	0RN6800F409	RESISTOR, FIXED METAL FILM, 680 1/6W 1% TA52	
		R723	0RN2701F409	RESISTOR, FIXED METAL FILM, 2.70K 1/6W 1% TA52	
		R725	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R726	0RD3001Q609	RESISTOR, FIXED CARBON FILM, 3K 1/4W(3 5% TA52	
		R727	0RD4700Q609	RESISTOR, FIXED CARBON FILM, 470 OHM 1/4 W (3.4) 5% TA52	
		R728	0RD2001A609	RESISTOR, FIXED CARBON FILM, 2.0K OHM 1/2 W (7.0) 5% TA52	
		R729	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R730	0RD1803Q609	RESISTOR, FIXED CARBON FILM, 180K 1/4W(3 5% TA52	
		R731	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R732	0RD4700Q609	RESISTOR, FIXED CARBON FILM, 470 OHM 1/4 W (3.4) 5% TA52	
		R733	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R734	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R735	0RD1003Q609	RESISTOR, FIXED CARBON FILM, 100K 1/4W(3 5% TA52	
		R736	0RD3002Q609	RESISTOR, FIXED CARBON FILM, 30K 1/4W(3 5% TA52	
		R737	0RD4700Q609	RESISTOR, FIXED CARBON FILM, 470 OHM 1/4 W (3.4) 5% TA52	
		R738	0RD1003Q609	RESISTOR, FIXED CARBON FILM, 100K 1/4W(3 5% TA52	
		R739	0RD1503Q609	RESISTOR, FIXED CARBON FILM, 150K 1/4W(3 5% TA52	
		R740	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R741	0RD5603Q609	RESISTOR, FIXED CARBON FILM, 560K 1/4W(3 5% TA52	
		R742	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R743	0RD3302Q609	RESISTOR, FIXED CARBON FILM, 33K 1/4W(3 5% TA52	
		R744	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R745	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R746	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R747	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R748	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R749	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R750	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R751	0RD3001Q609	RESISTOR, FIXED CARBON FILM, 3K 1/4W(3 5% TA52	
		R752	0RD6802Q609	RESISTOR, FIXED CARBON FILM, 68K 1/4W(3 5% TA52	
		R753	0RD5602Q609	RESISTOR, FIXED CARBON FILM, 56K 1/4W(3 5% TA52	
		R754	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R755	0RD5602Q609	RESISTOR, FIXED CARBON FILM, 56K 1/4W(3 5% TA52	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		R756	0RD2402Q609	RESISTOR, FIXED CARBON FILM, 24K 1/4W(3 5% TA52	
		R757	0RD1303Q609	RESISTOR, FIXED CARBON FILM, 130K 1/4W(3 5% TA52	
		R758	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R759	0RD4702Q609	RESISTOR, FIXED CARBON FILM, 47K 1/4W(3 5% TA52	
		R760	0RD2701Q609	RESISTOR, FIXED CARBON FILM, 2.70K 1/4W(3 5% TA52	
		R761	0RD0471A609	RESISTOR, FIXED CARBON FILM, 4.7 OHM 1/2 W (7.0) 5% TA52	
		R762	0RX2200K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 220 OHM 2 W 5% TA62	
		R763	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R764	0RX0201K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 2.0 OHM 2 W 5% TA62	
		R765	0RX0201K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 2.0 OHM 2 W 5% TA62	
		R766	0RD0332A609	RESISTOR, FIXED CARBON FILM, 33 OHM 1/2 W (7.0) 5% TA52	
		R767	0RD3000A609	RESISTOR, FIXED CARBON FILM, 300 OHM 1/2 W (7.0) 5% TA52	
		R768	0RX0472K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 47 OHM 2 W 5% TA62	
		R769	0RD0471A609	RESISTOR, FIXED CARBON FILM, 4.7 OHM 1/2 W (7.0) 5% TA52	
		R770	0RX1800K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 180 OHM 2 W 5% TA62	
		R771	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R772	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R773	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R774	0RMZTWD001C	RESISTOR, CEMENT, 47 OHM 7 W 5% RWR PD-TYPE	
		R775	0RD3903Q609	RESISTOR, FIXED CARBON FILM, 390K 1/4W(3 5% TA52	
		R778	0RMZTNV001A	RESISTOR, CEMENT, 3.3 OHM 5 W 5% B ,RWN,V-TYPE	
		R780	0RD5602Q609	RESISTOR, FIXED CARBON FILM, 56K 1/4W(3 5% TA52	
		R781	0RD7501Q609	RESISTOR, FIXED CARBON FILM, 7.50K 1/4W(3 5% TA52	
		R782	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R783	0RD2701Q609	RESISTOR, FIXED CARBON FILM, 2.70K 1/4W(3 5% TA52	
		R784	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R785	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R786	0RX1001J609	RESISTOR, SMALL FIX METAL FILM OXIDE, 1K OHM 1 W 5% TA52	
		R789	0RD3300Q609	RESISTOR, FIXED CARBON FILM, 330 1/4W(3 5% TA52	
⚠		R790	0RD3003Q509	RESISTOR, FIXED CARBON FILM, 300K OHM 1/4 W (3.4) 2% TA52	
		R791	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R792	0RN1002F409	RESISTOR, FIXED METAL FILM, 10K 1/6W 1 TA52	
		R794	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R795	0RD3000Q609	RESISTOR, FIXED CARBON FILM, 300 1/4W(3 5% TA52	
		R796	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R797	0RB0150K609	RESISTOR, FIX WIRE-WOUND PRECISION, 0.15 OHM 2 W 5% TA52	
		R799	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R801	0RD2201Q609	RESISTOR, FIXED CARBON FILM, 2.20K 1/4W(3 5% TA52	
		R802	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R803	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R804	0RD3303Q609	RESISTOR, FIXED CARBON FILM, 330K 1/4W(3 5% TA52	
		R805	0RD2700Q609	RESISTOR, FIXED CARBON FILM, 270 1/4W(3 5% TA52	
⚠		R806	0RD2200Q609	RESISTOR, FIXED CARBON FILM, 220 1/4W(3 5% TA52	
⚠		R807	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R809	0RD1102Q609	RESISTOR, FIXED CARBON FILM, 11K 1/4W(3 5% TA52	
		R811	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R812	0RX1203K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 120K OHM 2 W 5% TA62	
		R813	0RD3902Q609	RESISTOR, FIXED CARBON FILM, 39K 1/4W(3 5% TA52	
		R814	0RD7501Q609	RESISTOR, FIXED CARBON FILM, 7.50K 1/4W(3 5% TA52	
		R816	0RD7501A609	RESISTOR, FIXED CARBON FILM, 7.5K OHM 1/2 W (7.0) 5% TA52	
		R817	0RX1203K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 120K OHM 2 W 5% TA62	
		R818	0RX1203K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 120K OHM 2 W 5% TA62	
		R823	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
⚠		R825	0RN1002F409	RESISTOR, FIXED METAL FILM, 10K 1/6W 1 TA52	
⚠		R826	0RN1002F409	RESISTOR, FIXED METAL FILM, 10K 1/6W 1 TA52	
		R827	0RD3301Q609	RESISTOR, FIXED CARBON FILM, 3.30K 1/4W(3 5% TA52	
⚠		R828	0RD5600Q609	RESISTOR, FIXED CARBON FILM, 560 1/4W(3 5% TA52	
⚠		R829	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R830	0RD1004A609	RESISTOR, FIXED CARBON FILM, 1.0M OHM 1/2 W (7.0) 5% TA52	
⚠		R831	0RD7501Q509	RESISTOR, FIXED CARBON FILM, 7.5K OHM 1/4 W (3.4) 2% TA52	
		R832	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R833	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R834	0RD8201Q609	RESISTOR, FIXED CARBON FILM, 8.20K 1/4W(3 5% TA52	
		R835	0RD5101Q609	RESISTOR, FIXED CARBON FILM, 5.10K 1/4W(3 5% TA52	
		R836	0RD3300Q609	RESISTOR, FIXED CARBON FILM, 330 1/4W(3 5% TA52	
		R837	0RD1500Q609	RESISTOR, FIXED CARBON FILM, 150 1/4W(3 5% TA52	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		R901	180-465H	RESISTOR, CEMENT, 0.24 OHM 5W 5% B RWR	
		R903	0RX7502J609	RESISTOR, SMALL FIX METAL FILM OXIDE, 75K OHM 1 W 5% TA52	
		R904	0RD2000Q609	RESISTOR, FIXED CARBON FILM, 200 1/4W(3 5% TA52	
		R905	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R906	0RB0100K607	RESISTOR, FIX WIRE-WOUND PRECISION, 0.1 OHM 2 W 5% TA62	
		R907	0RD0122Q609	RESISTOR, FIXED CARBON FILM, 12 1/4W(3 5% TA52	
		R908	0RD1303A609	RESISTOR, FIXED CARBON FILM, 130K OHM 1/2 W (7.0) 5% TA52	
		R909	0RD3302Q609	RESISTOR, FIXED CARBON FILM, 33K 1/4W(3 5% TA52	
		R910	0RN1502F409	RESISTOR, FIXED METAL FILM, 15K 1/6W 1% TA52	
⚠		R911	0RN1303H409	RESISTOR, FIXED METAL FILM, 130K OHM 1/2 W 1% TA52	
		R912	0RN5101F409	RESISTOR, FIXED METAL FILM, 5.10K 1/6W 1% TA52	
		R913	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R914	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R915	0RN1801F409	RESISTOR, FIXED METAL FILM, 1.80K 1/6W 1% TA52	
		R916	0RD3901Q609	RESISTOR, FIXED CARBON FILM, 3.90K 1/4W(3 5% TA52	
		R917	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R918	0RD2002A609	RESISTOR, FIXED CARBON FILM, 20K OHM 1/2 W (7.0) 5% TA52	
		R919	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R920	0RD1003Q609	RESISTOR, FIXED CARBON FILM, 100K 1/4W(3 5% TA52	
		R921	0RD1501Q609	RESISTOR, FIXED CARBON FILM, 1.50K 1/4W(3 5% TA52	
		R922	0RD0101A609	RESISTOR, FIXED CARBON FILM, 1 OHM 1/2 W (7.0) 5% TA52	
		R923	0RD1003A609	RESISTOR, FIXED CARBON FILM, 100K OHM 1/2 W (7.0) 5% TA52	
		R924	0RD1003A609	RESISTOR, FIXED CARBON FILM, 100K OHM 1/2 W (7.0) 5% TA52	
		R925	0RD2700Q609	RESISTOR, FIXED CARBON FILM, 270 1/4W(3 5% TA52	
		R926	0RD0202Q609	RESISTOR, FIXED CARBON FILM, 20 1/4W(3 5% TA52	
		R927	0RD0472A609	RESISTOR, FIXED CARBON FILM, 47 OHM 1/2 W (7.0) 5% TA52	
		R928	0RD1303A609	RESISTOR, FIXED CARBON FILM, 130K OHM 1/2 W (7.0) 5% TA52	
		R930	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R931	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R932	0RX1302J609	RESISTOR, SMALL FIX METAL FILM OXIDE, 13KOHM 1 W 5% TA52	
		R933	0RX0391J609	RESISTOR, SMALL FIX METAL FILM OXIDE, 3.9 OHM 1 W 5% TA52	
		R934	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R935	0RD2200A609	RESISTOR, FIXED CARBON FILM, 220 OHM 1/2 W (7.0) 5% TA52	
		R936	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R937	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R938	0RD1200Q609	RESISTOR, FIXED CARBON FILM, 120 1/4W(3 5% TA52	
		R939	971-0054	WIRE, JUMP, TIN 50MM TAPING	
		R940	0RX0471K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 4.7 OHM 2 W 5% TA62	
		R941	971-0054	WIRE, JUMP, TIN 50MM TAPING	
		R942	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R943	0RD2002Q609	RESISTOR, FIXED CARBON FILM, 20K 1/4W(3 5% TA52	
		R944	0RD7501Q609	RESISTOR, FIXED CARBON FILM, 7.50K 1/4W(3 5% TA52	
	OTHERs				
		F901	131-040E	FUSE, TIME LAG, 5A 250V HBC UL/CSA TRIAD	
		RL701	141-014B	RELAY, DC, UT205-12SC YUYU 250VAC 5A 12V 30MA 400 OHM 1C	
		RL901	141-039A	RELAY, DC, JW2HN-DC12V MATSUSHITA 250VAC 5A 12V 44MA 270 OHM	
		SC901	6200TJB001E	FILTER(CIRC), EMI, 02MP2 DELTA .	
		SG701	165-004A	SPARK GAP, RADIAL, AG20PT 152F-L3N/S-23 HANDOK RADIAL BULK	
⚠		T701	6174Z-1018E	FBT (FLY BACK TRANSFORMER), FMMTC61-M1018E MNT (LIM SANG IL)	
		T702	151-515A	TRANSFORMER,HORIZONTAL DRIVER, EI 2519 4.5MH CF201	
		T703	6140TDZ004B	COIL, DUMMY, EER2834 1.5MH CB995C	
		T901	6170TMZ082A	TRANSFORMER, SMPS, EER4445S 120 UH V-18PIN CG991C CS/JS .	
		T902	151-414E	TRANSFORMER, PULSE, UU1116 8.8MH PLUSE	
		TH901	6322TB070AA	THERMISTOR, PTC, J503P63D070M290S JA HWA +/- 20% 220V -10/+85 P6	
		TH902	6322TA080AB	THERMISTOR, NTC, TP8D15 DAEWOO +/- 15% 110/220V -20/+170 3100	
		VR701	180-035L	VOLUME, EVN-DJAA03B53 (MEC),5KB	
		VR901	180-035D	VOLUME, EVN-DJAA03B32 (MEC),300B	
		WG1	387-P91A	CONNECTOR ASSY, UL1015 AWG22	
		X401	6202TTB001A	CRYSTAL, HC-49/U SUNNY E 6.000000MHZ 30PPM 16PF BK	
	VIDEO BOARD				
	CAPACITORs				
		C301	0CH3472K516	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 4700PF 50V K B 2012 R/TP	
		C302	181-288C	CAPACITOR, POLYESTER, MKT 100V 224JTR PHS 26224	

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		C303	0CH6221K416	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 220PF 50V J NP0 2012 R/TP	
		C304	0CH6221K416	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 220PF 50V J NP0 2012 R/TP	
		C305	0CE1076D618	CAPACITOR, AL.ELECTROLYTIC, 100M SMS 10V M FM5 TP(5)	
		C306	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C307	0CE1076D618	CAPACITOR, AL.ELECTROLYTIC, 100M SMS 10V M FM5 TP(5)	
		C308	0CE1076D618	CAPACITOR, AL.ELECTROLYTIC, 100M SMS 10V M FM5 TP(5)	
		C309	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C310	0CE3356K618	CAPACITOR, AL.ELECTROLYTIC, 3.3U SMS 50V M FM5 TP5	
		C311	0CE3356K618	CAPACITOR, AL.ELECTROLYTIC, 3.3U SMS 50V M FM5 TP5	
		C312	0CE3356K618	CAPACITOR, AL.ELECTROLYTIC, 3.3U SMS 50V M FM5 TP5	
		C313	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)	
		C314	0CH3103K516	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 10000PF 50V K B 2012 R/TP	
		C315	0CH3103K516	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 10000PF 50V K B 2012 R/TP	
		C316	0CH3103K516	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 10000PF 50V K B 2012 R/TP	
		C317	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)	
		C318	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C319	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C320	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C321	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C322	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)	
		C323	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C324	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C325	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C326	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C327	0CE2266N618	CAPACITOR, AL.ELECTROLYTIC, 22M SMS 100V M FM5 TP5	
		C328	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C329	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C330	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C331	0CE226CP630	CAPACITOR, AL.ELECTROLYTIC, 22U SHL 160V M FM5	
		C332	0CK3320W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 3300P 500V K B TS	
		C333	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C334	0CE2266N618	CAPACITOR, AL.ELECTROLYTIC, 22M SMS 100V M FM5 TP5	
		C335	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)	
		C336	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C337	0CE1056P618	CAPACITOR, AL.ELECTROLYTIC, 1U SMS 160V M FM5 TP5	
		C338	0CE1056P618	CAPACITOR, AL.ELECTROLYTIC, 1U SMS 160V M FM5 TP5	
		C339	0CE1056P618	CAPACITOR, AL.ELECTROLYTIC, 1U SMS 160V M FM5 TP5	
		C340	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C341	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C342	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C343	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C344	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C345	0CK4710W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 470P 500V K B TS	
		C346	0CC4700W405	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 47PF 500V J SL TP	
		C347	0CK47201510	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 4700P 1KV K B S	
		C348	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C349	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C350	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C351	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C352	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C353	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C354	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C355	0CE1056P618	CAPACITOR, AL.ELECTROLYTIC, 1U SMS 160V M FM5 TP5	
		C356	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C357	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C358	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C360	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C361	0CK3320W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 3300P 500V K B TS	
		C362	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C363	0CE226EN638	CAPACITOR, AL.ELECTROLYTIC, 22UF KMG 100V M FM5 TP 5	
		C364	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C365	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C366	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C367	0CK47201510	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 4700P 1KV K B S	
		C368	0CE2266N618	CAPACITOR, AL.ELECTROLYTIC, 22M SMS 100V M FM5 TP5	
		C369	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	

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		C370	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C371	0CE107BF638	CAPACITOR, AL.ELECTROLYTIC, 100UF KME 16V M FM5 TP5	
		C372	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C373	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C374	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C375	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C376	0CK3320W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 3300P 500V K B TS	
		C377	0CK3320W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 3300P 500V K B TS	
		C378	0CK3320W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 3300P 500V K B TS	
		C379	0CC4700W405	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 47PF 500V J SL TP	
		C380	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C381	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C382	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C383	0CH6102K406	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 1000PF 50V J SL 2012 R/TP	
		C384	0CH6102K406	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 1000PF 50V J SL 2012 R/TP	
		C385	0CH6102K406	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 1000PF 50V J SL 2012 R/TP	
		C386	0CH6102K406	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 1000PF 50V J SL 2012 R/TP	
		C387	0CH6331K416	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 330PF 50V J NP0 2012 R/TP	
		C391	0CH6560K416	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 56PF 50V J NP0 2012 R/TP	
		C392	0CH6560K416	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 56PF 50V J NP0 2012 R/TP	
		C393	0CH6560K416	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 56PF 50V J NP0 2012 R/TP	
	DIODEs				
		D301	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D302	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D303	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D304	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D305	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D306	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D307	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D308	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D309	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D310	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D311	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D312	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D313	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D314	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D315	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D318	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D319	971-0054	WIRE, JUMP, TIN 50MM TAPING	
		ZD301	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
	ICs				
		IC301	0IDB164281B	IC, DYNACOLOR, D1642818 24-P PDIP BK OSD IC CG991C/CV991C OEM	
		IC302	0IMI527430B	IC, MITSUBISHI, M52743BSP 36P,SDIP BK 3CH VIDEO PREAMP	
	COILs & COREs				
		L301	0LA0220K119	INDUCTOR,AXIAL LEAD, 0.22UH K 2.3*3.4 TP	
		L302	0LA0220K119	INDUCTOR,AXIAL LEAD, 0.22UH K 2.3*3.4 TP	
		L303	0LA0220K119	INDUCTOR,AXIAL LEAD, 0.22UH K 2.3*3.4 TP	
		L304	0LA1000K119	INDUCTOR,AXIAL LEAD, 100UH K 2.3*3.4 TP	
		L305	0LA1000K119	INDUCTOR,AXIAL LEAD, 100UH K 2.3*3.4 TP	
		L306	6200TEZ001B	FILTER(CIRC), CAPACITOR, ZJSC-R15-180(TA)TDK	
		L307	6200TEZ001B	FILTER(CIRC), CAPACITOR, ZJSC-R15-180(TA)TDK	
		L308	6200TEZ001B	FILTER(CIRC), CAPACITOR, ZJSC-R15-180(TA)TDK	
		FB301	125-155F	CORE (CIRC), BEAD, BFD3580R2FG SAMWHA 3.5*8.0MM RADIAL	
		FB302	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB303	125-155F	CORE (CIRC), BEAD, BFD3580R2FG SAMWHA 3.5*8.0MM RADIAL	
		FB304	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB305	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB306	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB307	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB309	125-155A	CORE (CIRC), BEAD, BFD3510R2FG SAMWHA 3.5*10MM RADIAL	

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		FB310	125-155F	CORE (CIRC), BEAD, BFD3580R2FG SAMWHA 3.5*8.0MM RADIAL	
		FB311	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB313	6210TCE001L	CORE (CIRC), BEAD, HB-1T2012-102JT CERATECH 2012MM R/TP	
		FB314	6210TCE001L	CORE (CIRC), BEAD, HB-1T2012-102JT CERATECH 2012MM R/TP	
		FB315	6210TCE001L	CORE (CIRC), BEAD, HB-1T2012-102JT CERATECH 2012MM R/TP	
		FB318	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB319	125-155L	CORE (CIRC), BEAD, BFS3580A0FG SAMWHA 3.5*8.0MM AXIAL52MM	
		FB320	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB321	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB322	6210TCE001Q	CORE (CIRC), BEAD, HB-1T2012-202 CERATECH 2012MM R/TP	
		FB323	6210TCE001Q	CORE (CIRC), BEAD, HB-1T2012-202 CERATECH 2012MM R/TP	
		FB324	6210TCE001Q	CORE (CIRC), BEAD, HB-1T2012-202 CERATECH 2012MM R/TP	
		FB325	6210TCE001Q	CORE (CIRC), BEAD, HB-1T2012-202 CERATECH 2012MM R/TP	
		FB326	125-155F	CORE (CIRC), BEAD, BFD3580R2FG SAMWHA 3.5*8.0MM RADIAL	
	TRANSISTORs				
		Q301	0TR390409CA	TRANSISTOR, 2N3904 TP SAMSUNG TO92 NPN	
		Q302	0TR390409CA	TRANSISTOR, 2N3904 TP SAMSUNG TO92 NPN	
		Q303	0TR920009AB	TRANSISTOR, KSP92 TP SAMSUNG TO92 HIGH VOLTAGE TR	
		Q304	0TR920009AB	TRANSISTOR, KSP92 TP SAMSUNG TO92 HIGH VOLTAGE TR	
		Q305	0TR920009AB	TRANSISTOR, KSP92 TP SAMSUNG TO92 HIGH VOLTAGE TR	
		Q306	0TR420009CA	TRANSISTOR, KSP42TA TP SAMSUNG TO92 HIGH VOLTAGE TR	
		Q307	0TR420009CA	TRANSISTOR, KSP42TA TP SAMSUNG TO92 HIGH VOLTAGE TR	
		Q308	0TR420009CA	TRANSISTOR, KSP42TA TP SAMSUNG TO92 HIGH VOLTAGE TR	
		Q309	0TR320209AA	TRANSISTOR, KTC3202-Y(KTC1959) TP KEC TO92 NPN	
		Q310	0TR320209AA	TRANSISTOR, KTC3202-Y(KTC1959) TP KEC TO92 NPN	
		Q311	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q312	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q313	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q314	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q315	0TR390409CA	TRANSISTOR, 2N3904 TP SAMSUNG TO92 NPN	
		Q316	0TR390409CA	TRANSISTOR, 2N3904 TP SAMSUNG TO92 NPN	
	RESISTORs				
		R305	0RH1001D622	RESISTOR, CHIP, 1.0K 1/10W 5 D.R/TP	
		R306	0RH1001D622	RESISTOR, CHIP, 1.0K 1/10W 5 D.R/TP	
		R307	0RH1001D622	RESISTOR, CHIP, 1.0K 1/10W 5 D.R/TP	
		R310	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R311	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R312	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R313	0RH1001D622	RESISTOR, CHIP, 1.0K 1/10W 5 D.R/TP	
		R314	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R315	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R316	0RH1000D622	RESISTOR, CHIP, 100 1/10W 5 D.R/TP	
		R317	0RH1000D622	RESISTOR, CHIP, 100 1/10W 5 D.R/TP	
		R318	0RH1000D622	RESISTOR, CHIP, 100 1/10W 5 D.R/TP	
		R319	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R320	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R321	0RN1502F409	RESISTOR, FIXED METAL FILM, 15K 1/6W 1% TA52	
		R322	0RN2401F409	RESISTOR, FIXED METAL FILM, 2.40K 1/6W 1% TA52	
		R323	0RH1801D622	RESISTOR, CHIP, 1.8K 1/10W 5 D.R/TP	
		R324	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R325	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R326	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R328	0RH1801D622	RESISTOR, CHIP, 1.8K 1/10W 5 D.R/TP	
		R329	0RH1801D622	RESISTOR, CHIP, 1.8K 1/10W 5 D.R/TP	
		R330	0RH4701D622	RESISTOR, CHIP, 4.7K 1/10W 5 D.R/TP	
		R332	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R333	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R334	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R335	0RD1200Q609	RESISTOR, FIXED CARBON FILM, 120 1/4W(3 5% TA52	
		R336	0RD1100Q609	RESISTOR, FIXED CARBON FILM, 110 1/4W(3 5% TA52	
		R337	0RD1100Q609	RESISTOR, FIXED CARBON FILM, 110 1/4W(3 5% TA52	
		R338	0RX0332K665	RESISTOR, SMALL FIX METAL FILM OXIDE, 33 OHM 2 W 5% SF	

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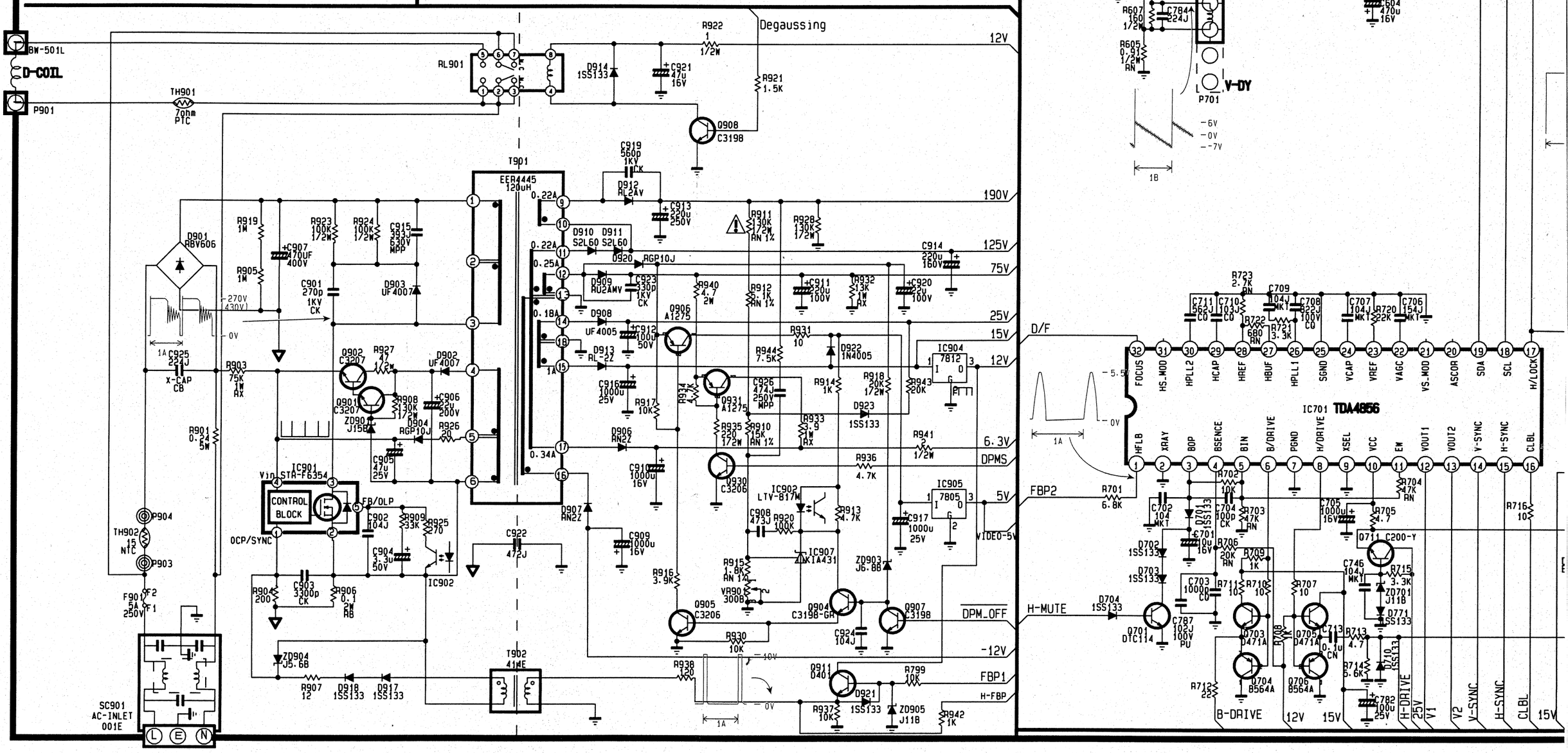
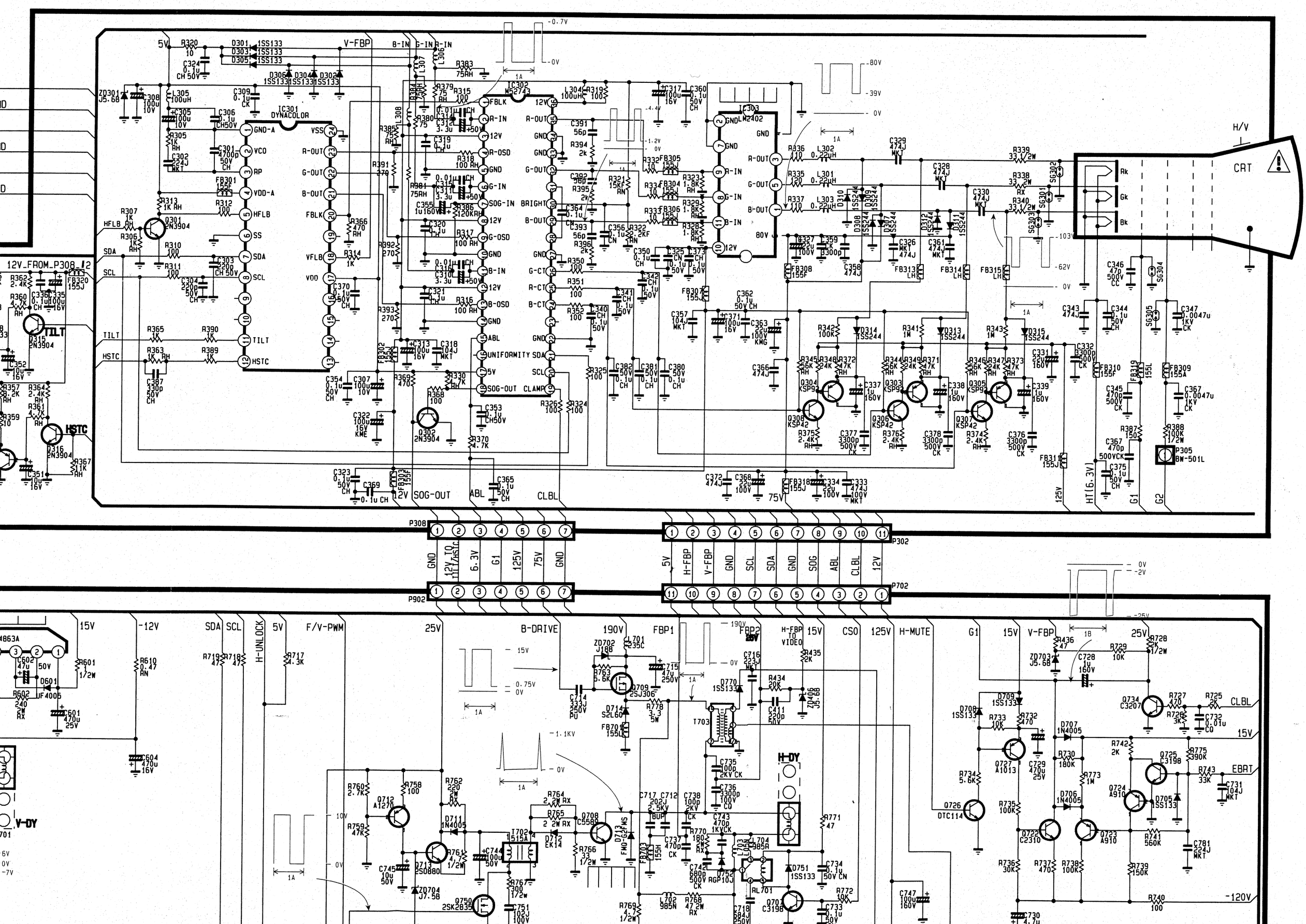
		R339	0RD0332A609	RESISTOR, FIXED CARBON FILM, 33 OHM 1/2 W (7.0) 5% TA52	
		R340	0RD0332A609	RESISTOR, FIXED CARBON FILM, 33 OHM 1/2 W (7.0) 5% TA52	
		R341	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R342	0RD1003Q609	RESISTOR, FIXED CARBON FILM, 100K 1/4W(3 5% TA52	
		R343	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R344	0RH5602D622	RESISTOR, CHIP, 56K 1/10W 5 D.R/TP	
		R345	0RH5602D622	RESISTOR, CHIP, 56K 1/10W 5 D.R/TP	
		R346	0RH5602D622	RESISTOR, CHIP, 56K 1/10W 5 D.R/TP	
		R347	0RH2402D622	RESISTOR, CHIP, 24K 1/10W 5 TA	
		R348	0RD2402Q609	RESISTOR, FIXED CARBON FILM, 24K 1/4W(3 5% TA52	
		R349	0RD2402Q609	RESISTOR, FIXED CARBON FILM, 24K 1/4W(3 5% TA52	
		R350	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R351	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R352	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R354	0RD0471A609	RESISTOR, FIXED CARBON FILM, 4.7 OHM 1/2 W (7.0) 5% TA52	
		R355	0RD1300A609	RESISTOR, FIXED CARBON FILM, 130 OHM 1/2 W (7.0) 5% TA52	
		R356	0RH3901D622	RESISTOR, CHIP, 3.9K 1/10W 5 D.R/TP	
		R357	0RH8201D622	RESISTOR, CHIP, 8.2K 1/10W 5 D.R/TP	
		R358	0RD1500Q609	RESISTOR, FIXED CARBON FILM, 150 1/4W(3 5% TA52	
		R359	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R360	0RH4701D622	RESISTOR, CHIP, 4.7K 1/10W 5 D.R/TP	
		R361	0RH4701D622	RESISTOR, CHIP, 4.7K 1/10W 5 D.R/TP	
		R362	0RD2401Q609	RESISTOR, FIXED CARBON FILM, 2.40K 1/4W(3 5% TA52	
		R363	0RH1001D622	RESISTOR, CHIP, 1.0K 1/10W 5 D.R/TP	
		R364	0RH2401D622	RESISTOR, CHIP, 2.4K 1/10W 5 TA	
		R365	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R366	0RH4700D622	RESISTOR, CHIP, 470 1/10W 5 D.R/TP	
		R367	0RH1102D622	RESISTOR, CHIP, 11K 1/10W 5 D.R/TP	
		R368	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R369	0RD4700Q609	RESISTOR, FIXED CARBON FILM, 470 OHM 1/4 W (3.4) 5% TA52	
		R370	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R371	0RH4702D622	RESISTOR, CHIP, 47K 1/10W 5 D.R/TP	
		R372	0RH4702D622	RESISTOR, CHIP, 47K 1/10W 5 D.R/TP	
		R373	0RH4702D622	RESISTOR, CHIP, 47K 1/10W 5 D.R/TP	
		R374	0RH2401D622	RESISTOR, CHIP, 2.4K 1/10W 5 TA	
		R375	0RH2401D622	RESISTOR, CHIP, 2.4K 1/10W 5 TA	
		R376	0RH2401D622	RESISTOR, CHIP, 2.4K 1/10W 5 TA	
		R379	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R380	0RD0752Q609	RESISTOR, FIXED CARBON FILM, 75 1/4W(3 5% TA52	
		R381	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R383	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R384	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R385	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R386	0RH1203D622	RESISTOR, CHIP, 120K OHM 1 / 10 W 5% D R/TP	
		R387	0RD1500Q609	RESISTOR, FIXED CARBON FILM, 150 1/4W(3 5% TA52	
		R388	971-0054	WIRE, JUMP, TIN 50MM TAPING	
		R389	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R390	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R391	0RH2700D622	RESISTOR, CHIP, 270 1/10W 5 D.R/TP	
		R392	0RH2700D622	RESISTOR, CHIP, 270 1/10W 5 D.R/TP	
		R393	0RH2700D622	RESISTOR, CHIP, 270 1/10W 5 D.R/TP	
		R394	0RH2001D622	RESISTOR, CHIP, 2.0K 1/10W 5 D.R/TP	
		R395	0RH2001D622	RESISTOR, CHIP, 2.0K 1/10W 5 D.R/TP	
		R396	0RH2001D622	RESISTOR, CHIP, 2.0K 1/10W 5 D.R/TP	
	OTHERs				
		SC301	6620TBD003A	SOCKET (CIRC),CPT, PCS701E PARK ELEC. 10PIN 14/360 STRAIGHT	
		SG301	6918TAT005A	SPARK GAP, AXIAL, MTA-201MT GIGA AXIAL TAPING	
		SG302	6918TAT005A	SPARK GAP, AXIAL, MTA-201MT GIGA AXIAL TAPING	
		SG303	6918TAT005A	SPARK GAP, AXIAL, MTA-201MT GIGA AXIAL TAPING	
		SG304	6918TAT005A	SPARK GAP, AXIAL, MTA-201MT GIGA AXIAL TAPING	
		SG305	165-004A	SPARK GAP, RADIAL, AG20PT 152F-L3N/S-23 HANDOK RADIAL BULK	

MODEL: E790, E790B					DATE: 1999. 12. 10.
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
	CONTROL BOARD				
		C201	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C202	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		D201	0DL305029AA	LED, LTL-305FJ-0C2 TP LITEON GREEN/RED 19/5.6MCD	
		FB201	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB202	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		R201	0RD1300Q609	RESISTOR, FIXED CARBON FILM, 130 1/4W(3 5% TA52	
		R202	0RD3900Q609	RESISTOR, FIXED CARBON FILM, 390 1/4W(3 5% TA52	
		R203	0RD5600Q609	RESISTOR, FIXED CARBON FILM, 560 1/4W(3 5% TA52	
		R204	0RD1301Q609	RESISTOR, FIXED CARBON FILM, 1.30K 1/4W(3 5% TA52	
		R205	0RD3901Q609	RESISTOR, FIXED CARBON FILM, 3.90K 1/4W(3 5% TA52	
		R208	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R209	0RD2200Q609	RESISTOR, FIXED CARBON FILM, 220 1/4W(3 5% TA52	
		R210	0RD2200Q609	RESISTOR, FIXED CARBON FILM, 220 1/4W(3 5% TA52	
		SW201	140-058D	SWITCH, TACT, SKHV10911A LGEC NON 12 20 HORIZENTAL 160	
		SW202	140-058D	SWITCH, TACT, SKHV10911A LGEC NON 12 20 HORIZENTAL 160	
		SW203	140-058D	SWITCH, TACT, SKHV10911A LGEC NON 12 20 HORIZENTAL 160	
		SW204	140-058D	SWITCH, TACT, SKHV10911A LGEC NON 12 20 HORIZENTAL 160	
		SW205	140-058D	SWITCH, TACT, SKHV10911A LGEC NON 12 20 HORIZENTAL 160	
		ZD201	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
	MISCELLANEOUS				
⚠		CDT	2423GG2E91R	CDT SET, M46QCG903X 02NPLD FOR NORTHERN HEMISPHERE	
⚠		CDT	2423GG2E91V	CDT SET, M46QCG903X 02SPLD FOR SOUTHERN HEMISPHERE	
		CDT EARTH	6868T19001C	CDT EARTH, CB995C TIN WIRE BRAID(128)	
		D/COIL	6140TC2006A	DEGAUSSING COIL,"1330MM 16.5 OHM 0.45MM 110T 19"	
		P/CORD	6410TUW002B	POWER CORD, SP305+IS14 I-SHENG FOR USA	
		P/CORD	6410TEW003C	POWER CORD, SP023+IS14 I-SHENG FOR EUROPE	
		P/CORD	174-206M	POWER CORD, SP023+IS14 I-SHENG FOR BLACK	
		S/CABLE	6866TA9015F	SIGNAL CABLE, UL 2990-9C AT 1870MM PANTONE BLUE(661C)	
		S/CABLE	6866TA9015G	SIGNAL CABLE, UL 2990-9C AT 1870MM PANTONE BLACK	

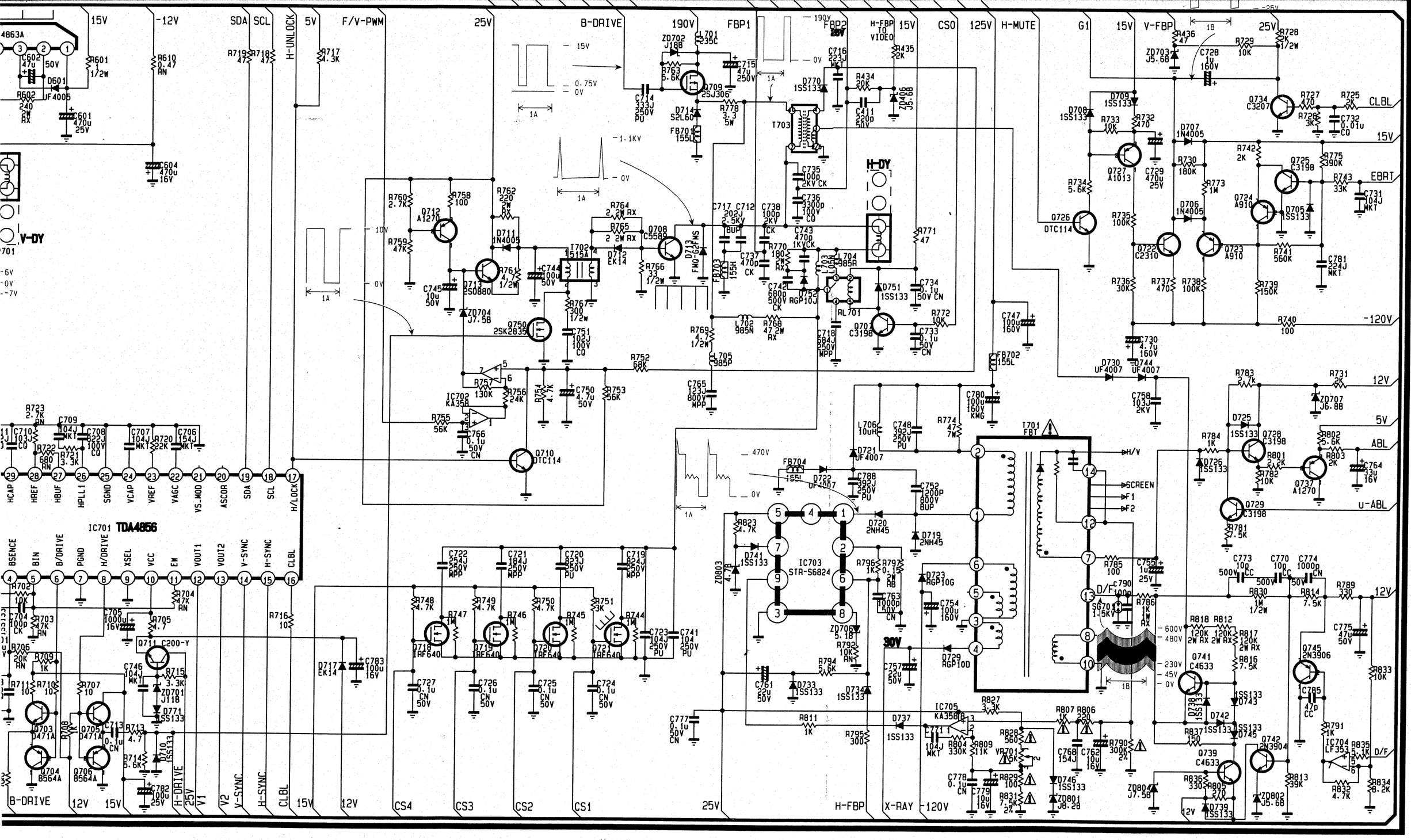
CV991C 1999/12/02

VIEWSONIC_E790-3


BW-501L
D-COIL
P901
TH901
7ohm PTC
RL901
Degaussing
12V
R922 1 1/2W
R921 1.5K
D914 1SS133
C921 47u 16V
Q908 C3198
T901
EER4445 120uH
C919 560p 1KV CK
D912 RL24V
190V
C913 220u 250V
D910 D911 S2L60 S2L60
D920 AGP10J
125V
C914 220u 160V
75V
D909 RU2AMV
C923 330p 1KV CK
R940 4.7 2W
R912 5.1K AN 1%
C911 220u 100V
R932 13K 1W AX
C920 22u 100V
25V
D908 UF4005
C912 100u 50V
Q906 A1275
15V
D913 RL-2Z
C916 1000u 25V
D922 1N4005
IC904 7812
12V
R944 7.5K
R931 10
R914 1K
R918 50K 1/2W
R943 20K
C926 474J 250V MPP
D931 A1275
R934 2.2K
R917 10K
D923 1SS133
R933 3.9 1W AX
R935 220 1/2W
R910 15K AN 1%
R941 1/2W
6.3V
DPMS
R936 4.7K
D930 C3206
IC902 LTV-817M
IC905 7805
5V
C908 473J 100V
R920 100K
R913 4.7K
C917 1000u 25V
VIDEO-5V
IC907 KIA431
ZD903 J6.8B
R915 1.8K AN 1%
VR90 300B
R916 3.9K
Q905 C3206
Q904 C3198-GR
Q907 C3198
DPM_OFF
C924 104J
R930 10K
-12V
R938 120
Q911 D401
R799 10K
FBP1
D921 1SS133
ZD905 J11B
R937 10K
H-FBP
R942 1K
D901 RBV606
R919 1M
R923 100K 1/2W
R924 100K 1/2W
C915 393J 630V MPP
+C907 470UF 400V
R905 1M
270V (430V)
0V
C901 270p 1KV CK
D903 UF4007
1A
C925 224J X-CAP CB
R903 75K 1W AX
Q902 C3207
R927 47 1/2W
D902 UF4007
Q901 C3207
R908 130K 1/2W
+C906 22u 200V
Z090 J15B
D904 AGP10J
R926 20
R901 0.24 5W
C905 47u 25V
IC901 STR-F6354
Vin
CONTROL BLOCK
FB/OLP
OCP/SYNC
C902 104J
R909 33K
R925 270
C904 3.3u 50V
IC902
R904 200
C903 3300p CK
R906 0.1 2W AB
ZD904 J5.6B
R907 12
D918 1SS133
D917 1SS133
C922 472J
T902 41ME
D907 RN22
C910 1000u 16V
C909 1000u 16V
P904
TH902 15 NTC
P903
F901 5A 250V
F2
F1
SC901 AC-INLET 001E
L E N
X-RAY
J18B
R825 11K 2W
Q702 DTC114
V-OUT2
R609 2K
R604 2K AN
R607 150 1/2W
C784 224J
R605 0.91 1/2W AN
V-DY
P701
L
-6V
-0V
--7V
1B
C604 470u 16V
C601 470u 25V
D/F
R723 2.7K AN
C711 562J CO
C710 103J CO
C709 104J MKT
C708 822J 100V CO
C707 104J MKT
R720 22K
C706 154J MKT
R722 680 AN
R721 3.3K
- 5.5V
- 0V
1A
IC701 TDA4856
FOCUS
HS.MOD
HPLL2
HCAP
HREF
HBUF
HPLL1
SGND
VCAP
VREF
VAGC
VS.MOD
ASCOR
SDA
SCL
H/LOCK
HFLB
XRAY
BOP
BSENCE
BIN
B/DRIVE
PGND
H/DRIVE
XSEL
VCC
EW
VOUT1
VOUT2
V-SYNC
H-SYNC
CLBL
FBP2
R701 6.8K
R702 10K
C702 104 MKT
D701 1SS133
C704 100p CK
R703 47K AN
R704 47K AN
C705 1000u 16V
R705 4.7
R716 10
D702 1SS133
C701 10u 16V
R706 20K AN
R709 1K
Q711 C200-Y
D703 1SS133
C703 1000p CO
R711 10
R710 10
R707 10
C746 104J MKT
R715 3.3K
Z0701 J11B
H-MUTE
D704 1SS133
C787 102J 100V PU
Q701 DTC114
Q703 D471A
R708 1K
Q705 D471A
C713 0.1u CN
R713 4.7
D771 1SS133
R714 5.6K
D710 1SS133
R712 22
Q704 B564A
Q706 B564A
C782 100u 25V
B-DRIVE
12V
15V
H-DRIVE
25V
V1
V2
V-SYNC
H-SYNC
CLBL
15V


5V
V-FBP
B-IN
G-IN
R-IN
IC301 DYNACOLOR
IC302 M52743
IC303 M2402
GND-A
VCO
RP
VDD-A
HFLB
SS
SDA
SCL
TILT
HSTC
VSS
R-OUT
G-OUT
B-OUT
FBLK
VFLB
VDD
FBLK
R-IN
12V
R-OSD
GND
G-IN
SOG-IN
BRIGHT
12V
G-OSD
GND
B-IN
12V
B-OSD
GND
ABL
UNIFORMITY
5V
SOG-OUT
CLAMP
A-OUT
GND
GND
G-OUT
B-OUT
GND
G-CT
A-CT
B-CT
GND
SDA
SCL
GND
R-IN
G-IN
B-IN
12V
80V
H/V
CRT
Ak
Gk
Bk
12V_FROM_P308_12
TILT
HSTC
V-DY
SOG-OUT
ABL
CLBL
P308
GND
12V TO H/V&SIC
6.3V
G1
125V
75V
GND
P902
P302
5V
H-FBP
V-FBP
GND
SCL
SDA
GND
SOG
ABL
CLBL
12V
P702
HT(6.3V)
G1
G2
P305 BW-501L
-0.7V
0V
-80V
-39V
-103V
-62V
-120V
-4.4V
-1.2V
-1.1KV
75V

15V
-12V
SDA
SCL
H-UNLOCK
5V
F/V-PWM
25V
B-DRIVE
190V
FBP1
FBP2
H-FBP TO VIDEO
15V
CSO
125V
H-MUTE
G1
15V
V-FBP
25V
CLBL
15V
EBRT
-120V
H-DY
V-DY
0V
-2V
-25V
0.75V
10V
1A
1B



IMPORTANT SAFETY NOTICE

THE ⚠ SYMBOL MARK OF THIS SCHEMETIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION. FIRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFATURES SPECFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE ⚠ SYMBOL MARK OF THE SCHEMETIC.

NOTICE

Since this is a basic schematic diagram.
The value of components and some partial connection are sucject to be changed for improvement without notice.

SCHEMATIC DIAGRAM

IMPORTANT SAFETY NOTICE

The componet identified by shading or international symbol ⚠ on the following schematic diagrams in corporate special features impotant for protection from X-Radiation, fire and electrical shock hazards. When servicing it is essential that only manufact user's specified parts be use for those circuit components.

NOTES :

1. **RESISTOR**
   Unit of resistance is ohm(Ω), (K = 1,000, M=1,000,000)

2. **COIL**
   Unit of inductance is μH, unless otherwise noted.

3. **VOLTAGE MEASUREMENT**
   Voltage is measured by a digital meter receiving normal signal.

4. This schematic diagram is the latest at the time of printing and is subject to change without notice.

SERVICE NOTES :

- Always unplug the unit before beginning any opeation such as removing the chassis.